Curriculum Vitae

Personal Information

Name	*Surname*	*Nationality*	*Date of Birth*	*Scientific position*	*Marital Status*
Jamal	**Barvestani**	**Iranian**	**1978.01.04**	**Full professor of physics**	**married**

Office Phone & social links	*E-Mail*	*Address*
+9841-33393311 https://tabrizu.academia.edu/jamalbarvestani https://scholar.google.com/citations?user=4B46cKoAAAAJ&hl=en&oi=ao https://www.researchgate.net/profile/Jamal_Barvestani	barvestani@tabrizu.ac.ir barvestani@yahoo.com barvestani@gmail.com	Department of condensed matter Physics, Faculty of Physics, University of Tabriz, Tabriz, Iran

Academic positions

2020-now **1399-now**	Academic staff; Full professor Condensed matter physics, Faculty of physics, University of physics
2014-2020 **1393-1399**	Academic staff; Associated professor Condensed matter physics, Faculty of physics, University of physics
2008-2014 **1386-1393**	Academic staff; Assistant professor Solid state physics & electronics, Faculty of physics, University of physics
2003-2008 **1382-1386**	Instructor Solid state physics & electronics, Faculty of physics, University of physics

Educational Background

2003-2007 **1382-1386**	**Ph.D.** Department of solid state and electronics, Faculty of physics, University of Tabriz, Tabriz, Iran. **Ph.D. Thesis:** "Study of surface states in photonic crystals and their applications". **Supervisor:** Dr Manutchehr Kalafi. **GPA:** 17.71 out of 20
2001-2003 **1380-1382**	**M. Sc.** Department of solid state and electronics, Faculty of physics, University of Tabriz, Tabriz, Iran. **M. Sc. Thesis:** "Modeling of a GaN and its alloys UV photoconductive detector". **Supervisor:** Dr Manutchehr Kalafi. **GPA:** 16.82 out of 20
1998-2001 **1373-1377**	**B.Sc. Physics** Department of physics, University of Zanjan, Zanjan, Iran. **GPA:** 17.02 out of 20 (first rank)
1990-1994 **1369-1373**	**High School Education** High School of Vali'asr, Kaleibar, East Azarbaijan, Iran. **GPA:** 17.98 out of 20

Research Interests:

Photonic crystals		Semiconductors			
Detectors		Graphene			
Electronics		Mesoscopic Systems			
Master Thesis Supervision(S) & Advising(A):					
2008-present	**No.**	**Full name of student**	**Level**	**Year**	**position**
	Postdoctrial researchers				
	1	Bahar Meshginqalam	postdoctoral	2017- 2018	supervisor
	2	Bahar Meshginqalam	postdoctoral	2019- 2020	supervisor
	3	Bahar Meshginqalam	postdoctoral	2020-2021	supervisor
	4	Hajar Kaviani	postdoctoral	2019- 2021	supervisor
	3	Bahar Meshginqalam	postdoctoral	2022-2023	supervisor
	Ph.D students				
	1	Dariosh Jahani	Ph.D	2012-2016	supervisor
	2	Parinaz Hoseipour	Ph.D	2012-2016	supervisor
	3	Hajar Kaviani	Ph.D	2014-2018	supervisor
	4	Musa Bejani	Ph.D	2015-2020	supervisor
	5	Zahra Abedidni	Ph.D	2015-2020	supervisor
	6	Neda Ali Porghovveh	Ph.D	2017-present	supervisor
	7	Sogra Ghahremani	Ph.D	2017-2022	supervisor
	8	Ali Mohammadpour	Ph.D	2017-present	supervisor
	9	Sharare Hasanpour	Ph.D	2019-present	supervisor
	10	Mohammadjavad Khalifeh	Ph.D	2019-present	supervisor
	11	Tayyebeh Allahverdikhani	Ph.D	2021-present	supervisor
	MSc students				
	1	Alireza Jeddi Tehrani (S)	M. Sc.	2008-2010	supervisor
	2	Forog Nasirpoori (S)	M. Sc.	2009-2010	supervisor
	3	Rassol Hashemi (S)	M. Sc.	2009-2010	supervisor
	4	Emad Rezaei Tochahi (A)	M. Sc.	2008-2010	advisor
	5	Ebrahim Gharib (A)	M. Sc.	2008-2010	advisor
	6	Mohsen Mehrabi (A)	M. Sc.	2008-2010	advisor

	7	Hajar Mohammadzadeh(S)	M. Sc.	2011-2012	supervisor
	8	Ferial Bakhshi (S)	M. Sc.	2012-2014	supervisor
	9	Salim Mollapoor	M. Sc.	2013-2015	supervisor
	10	Somayyeh Oskuyi	M. Sc.	2013-2015	supervisor
	11	Zahra Agayari (S)	M. Sc.	2012-2014	supervisor
	12	Zohreh Kazemi	M. Sc.	2014-2015	supervisor
	13	Hasan Pashaei	M. Sc.	2014-2015	supervisor
	14	Armin Mozaffari	M. Sc.	2015-2017	supervisor
	15	Saba Asgari	M. Sc.	2015-2016	supervisor
	16	Hamed Hamidi	M. Sc.	2014-2015	supervisor
	17	Nahid Adjabshiri	M. Sc.	2013-2015	advisor
	18	Masomeh Fattahi Sani	M. Sc.	2016-2018	advisor
	19	Javad Bashiri	M. Sc.	2017-2018	advisor
	20	Reyhaneh Baqqal Mahjoub	M. Sc.	2017-2020	supervisor
	21	Maryam Allah-Bakhshi	M. Sc.	2018-2019	supervisor
	22	Roghayye Moharrami	M. Sc.	2017-2019	supervisor
	23	Sharare Hasanpour	M. Sc.	2017-2019	supervisor
	24	Naeemeh Rezaei Sarajelou	M. Sc.	2017-2019	advisor
	25	Somayyeh Farhadi Dizaji	M. Sc.	2018-2020	advisor
	26	Nasim Dehghan Khoshkeh	M. Sc.	2018-2020	advisor
	27	Mahsa Sarmadi	M. Sc.	2020-2021	advisor
	28	Keyvan Tayefi	M. Sc.	2020-2021	supervisor
	29	Ayda samei	M. Sc.	2020-2022	supervisor
	30	Alireza Sabizadeh	M. Sc.	2020-2022	supervisor

Administrative Responsibilities:

2010-2014 **2014-2018**	• *Head of department of Solid State & Electronic, Faculty of physics, University of Tabriz* • *Vice-presidency of education deputy, Faculty of physics, University of Tabriz*

Teaching Experiences:

2008-present	• *"Fundamental of Physics"* **B.Sc.** *D. Halliday, R. Resnick & J. Walker*. University of Tabriz, Iran. • *"Physics of semiconductor devices"* **B.Sc.** *S. M. Sze.*, Faculty of Physics, University of Tabriz, Iran. • *"Classical Mechanics"* **B.Sc.** *K. Symon*, Faculty of Physics, University of Tabriz, Iran. • *"Quantum Mechanics"* **B.Sc.** *Gasirovitch*, Faculty of Physics, University of Tabriz, Iran. • *"Solid state physics"* **B.Sc.** *Kittel*, Faculty of Physics, University of Tabriz, Iran. • *"Modern Physics"* **B.Sc.** *R. Weidner & R. Sells.* Faculty of Physics, University of Tabriz, Iran. • *"Statistical physics"* **B.Sc.** *Rief F. F.* Faculty of Physics, University of Tabriz, Iran. • *"Advanced Solid State Physics"* **M.Sc.** Faculty of Physics, University of Tabriz, Iran. • *"Advanced Quantum Mechanics"* **M.Sc.** Faculty of Physics, University of Tabriz, Iran. • *"Quantum theory of optical and electronic properties of semiconductors"* **Ph.D.** Faculty of Physics, University of Tabriz, Iran. • *"Condensed matter physics"* **Ph.D.** Faculty of Physics, University of Tabriz, Iran. • ...

Computer Skills

Languages and tools	MATLAB, Maple, Fortran, Origin.
Utilities	MS Office (Word, Excel and PowerPoint), Windows Platforms, Linux
Packages	Lumerical, ATK, COMSOL, RSOFT, meep, mpb,

Language Proficiency

- English: Professional Proficiency
- Turkish: Mother tongue
- Persian: Native
- Arabic: Limited Proficiency

Research project

Title: Study of narrow band-pass filters based on one-dimensional photonic crystal heterostructure containing of alternating layers of dielectric and superconductor materials, July 2014, University of Tabriz

Publications

Journals

1. Kalafi Manouchehr, Soltani Vala Ali, Barvestani Jamal, 2007, Surface optical waves in semi-infinite one-dimensional photonic crystals with a thin nonlinear cap layer, Optics Communications, 272, 403-406.
2. Barvestani Jamal, Kalafi Manouchehr, Soltani Vala Ali, 2007, Surface optical waves in semi-infinite one-dimensional photonic crystals containing alternating layers of positive and negative media with a cap layer, ACTA PHYSICA POLONICA A, 112, 1089.
3. Soltani Vala Ali, Barvestani Jamal, Kalafi Manouchehr, 2008, Surface Optical Waves in Semi-Infinite One-Dimensional Photonic Crystals Containing Alternating Layers of Positive and Negative Media, Advanced Materials Research, 31, 7-10.

4. Barvestani Jamal, Kalafi Manouchehr, Soltani Vala Ali, Namdar Abdolrahman, 2008, Backward surface electromagnetic waves in semi-infinite one-dimensional photonic crystals containing left-handed materials, Physical Review A-Atomic, Molecular, and Optical Physics, 77, 013805.
5. Barvestani Jamal, 2011, Analytical investigation of one-dimensional photonic crystals with a dielectric-superconducting pair defect, Optics Communications, 284, 231-235.
6. Mehrabi Mohsen, Soltani Vala Ali, Barvestani Jamal, 2011, Localized photonic modes in photonic crystal heterostructures, Optics Communications, 284, 5444-5447.
7. Soltani Vala Ali, Rezaei Emad, Hosseini Naser, Barvestani Jamal, 2011, Electro-tuning of surface state in two-dimensional photonic crystals, Physica Status Solidi (A) Applications and Materials, 208, 1854-1857.
8. Barvestani Jamal, 2012, Temperature-dependent absorbance spectra of semiconductor-dielectric photonic crystals, Physica Status Solidi (C) Current Topics in Solid State Physics, 9, 2618-2620.
9. Barvestani Jamal, Rezaei Emad, Soltani Vala Ali, 2013, Tunability of waveguide modes in two-dimensional photonic crystals based on superconducting materials, Optics Communications, 297, 74-78.
10. Hashemi Rasool, Barvestani Jamal, 2013, Superconducting Point Defect in a Two-Dimensional Photonic Crystal, Journal of Superconductivity and Novel Magnetism, 27, 371-377.
11. Jahani Darioush, Soltani Vala Ali, Barvestani Jamal, Hajian Hojjat, 2014, Magneto-tunable one-dimensional graphene-based photonic crystal, Journal of Applied Physics, 115, 153101.
12. Barvestani Jamal, dehghan Seifollah, Soltani Vala Ali, 2014, Temperature tunability of cavity-semiconducting waveguide coupling in a two-dimensional photonic crystal, Photonics and Nanostructures, 12, 482-486.
13. Soltani Vala Ali, Rezaei Emad, Hosseini Naser, Barvestani Jamal, 2014, Electro-tuning of surface state in two-dimensional photonic crystals, Physica Status Solidi (A) Applications and Materials, 208, 1854-1857.
14. Barvestani Jamal, 2014, Omnidirectional narrow bandpass filters based on one-dimensional superconductor–dielectric photonic crystal heterostructors, Physica B: Condensed Matter, 457, 218-224.
15. Bakhshi Germi F, Barvestani Jamal, 2016, The focousing effect of electromagnetic waves in two-dimensional photonic crystals with gradually varying lattice constant, Iranian Journal of Physics Research, 15 Iss. 4 401.
16. Jahani Darioush, Soltani Vala Ali, Barvestani Jamal, 2016, A leap over Dirac cones in one-dimensional graphene-based photonic crystal, Physica B: Condensed Matter, 491, 93-97.
17. Hosseinpour Parinaz, Soltani Vala Ali, Barvestani Jamal, 2016, Effect of impurity on the absorption of a parabolic quantum dot with including Rashba spin–orbit interaction, Physica E: Low-Dimensional Systems and Nanostructures, 80, 48-52.
18. Hosseinpour Parinaz, Barvestani Jamal, Soltani Vala Ali, 2016, Rashba spin–orbit interaction effect on the optical properties of a disk-like quantum dot, Physica Scripta, 91, 045803.
19. Jahani Darioush, Soltani Vala Ali, Barvestani Jamal, 2016, Strain control of one-dimensional graphene-based photonic crystal, EUROPEAN PHYSICAL JOURNAL D, 70, 119.
20. Oskooi Somayeh, Barvestani Jamal, 2016, The study of thermal tunable coupling between a Superconducting photonic crystal waveguide and semi-circular photonic crystal, PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, 527, 28-32
21. Zamani Ghara Chamani Behzad, Hamidi Heris Hamed, Barvestani Jamal, 2016, introduction of measurement networks of the electric precursors of earthquakes in NW of Iran with VAN method, Journal of the Earth and Space Physics, 4.
22. H. Kaviani Baghbadorani, J. Barvestani, S. Roshan Entezar, 2017, Biosensors based on Bloch surface waves in one dimensional Photonic crystal with graphene nanolayers, Applied Optics, 56(3), 462.
23. Soltani Vala Ali, Barvestani Jamal, 2017, Effects of anisotropy on the optical rectification of a disk-like quantum dot with donor impurity in external electric and magnetic fields, Physica B: Condensed Matter, 518, 88-93.
24. Dehghan Seifollah, Barvestani Jamal, 2017, Photonic crystal narrow filters with two neighboring waveguides and a semiconducting point defect, OPTICAL AND QUANTUM ELECTRONICS, 49, 315.
25. Kaviani Baghbadorani Hajar, Aurelio Daniele, Barvestani Jamal, Liscidini Marco, 2018, Guided modes in photonic crystal slabs supporting Bloch surface waves, JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, 35, 805.
26. Meshginqalam Bahar, Barvestani Jamal, 2018, Performance Enhancement of SPR Biosensor Based on Phosphorene and Transition Metal Dichalcogenides for Sensing DNA Hybridization, IEEE SENSORS JOURNAL, 18,

7537-7543.

27. Kaviani Baghbadorani Hajar, Barvestani Jamal, 2018, Effect of Uniaxial Strain on the Performance of One Dimensional Graphene Fibonacci Photonic Crystal Biosensors, J. of Lightwave tech. 36, 23 5406.
28. Meshginqalam Bahar, Barvestani Jamal, 2018, Aluminum and phosphorene based ultrasensitive SPR biosensor, Optical materials, 86, 119-125.
29. Abedini Aminabad Zahra, Barvestani Jamal, Soltani Vala Ali, 2019, Surface magnetoplasmons in a slit waveguide with graphene monolayers, SUPERLATTICES AND MICROSTRUCTURES, 130, 221-231.
30. Javad BASHIRI,1 Behrooz REZAEI, Jamal BARVESTANI, Carlos J. ZAPATA-RODRÍGUEZ, 2019, Bloch surface waves engineering in one-dimensional photonic crystals with a chiral cap layer, JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, 36(8), 2106.
31. Meshginqalam Bahar, Barvestani Jamal, 2019, Highly sensitive toxic gas molecule sensor based on defect-induced silicene, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 30,18637.
32. Bejani mousa, Pulci Olivia, Barvestani Jamal, Soltani Vala Ali, Cannuccia Elena, 2019, Lattice vibrations and electronic properties of GaSe nanosheets from first principles, Physical Review Materials, 3, 124003.
33. Abedini Aminabad Zahra, Barvestani Jamal, Soltani Vala Ali, 2020, Hybrid of graphene surface plasmons and surface magneto-plasmons in a waveguide, SUPERLATTICES AND MICROSTRUCTURES, 140, 106426.
34. Meshginqalam Bahar, Barvestani Jamal, 2020, Doped Arsenene Nanoribbon as a Promising Candidate for Sensing Toxic Gas Molecules: Theoretical Approach, IEEE SENSORS JOURNAL, 20(11), 5984.
35. Meshginqalam Bahar, Barvestani Jamal, 2020, Vacancy defected blue and black phosphorene nanoribbons as gas sensor of NOx and SOx molecules, APPLIED SURFACE SCIENCE, 526, 146692.
36. Kaviani Baghbadorani Hajar, Barvestani Jamal, 2021, Sensing improvement of 1D photonic crystal sensors by hybridization of defect and Bloch surface modes, APPLIED SURFACE SCIENCE, 537, 147730.
37. Ghahramani Soghra, Barvestani Jamal, Meshginqalam Bahar, 2021, High-performance Opening-up Dual-core Photonic Crystal Fiber Sensors Based on Surface Plasmon Resonance, Plasmonics. 17(1), 181.
38. Mohammadpour Ali, Barvestani Jamal, Soltani Vala Ali, 2021, Extraordinary directional optical properties of a parity-time symmetric one-dimensional photonic lattice, OPTICS COMMUNICATIONS, 500, 127342.
39. Meshginqalam Bahar, Barvestani Jamal, 2021, Comparative study of the highly sensitive plasmonic sensor based on a D-Shaped photonic crystal fiber with silver or gold layers, PHYSICA SCRIPTA, 96, 125535.
40. Allahverdikhani Tayyebe, Barvestani Jamal, Meshginqalam Bahar, 2022, Theoretical Investigation of the Effect of Different Dopants and Their Positions on the Magnetic Properties of an Armchair Graphene Nanoribbon, JOURNAL OF ELECTRONIC MATERIALS, 51(6), 2900.
41. Meshginqalam Bahar, Barvestani Jamal, 2022, High performance surface plasmon resonance-based photonic crystal fiber biosensor for cancer cells detection, European Physical Journal Plus, 137(4), 1-10.
42. Ghahramani Soghra, Barvestani Jamal, Meshginqalam Bahar, 2022, Design and analysis of surface plasmon resonance based photonic crystal fiber sensor employing gold nanowires, OPTIK, ۲۶۰, 169026.
43. Meshginqalam Bahar, Barvestani Jamal, 2022, Highly sensitive photonic crystal fiber-based plasmonic biosensor with improved malaria detection application, European Physical Journal Plus, 137(5),1-10.
44. Kaviani Baghbadorani Hajar, Barvestani Jamal, 2022, Photonic crystal based biosensor with the irregular defect for detection of blood plasma, APPLIED SURFACE SCIENCE, 599, 153743.
45. Ali porghovveh Neda, Barvestani Jamal, Meshginqalam Bahar, 2022, High-performance surface plasmon resonance-based photonic crystal fiber sensor with four open surface rings, Journal of Computational Electronics, pp 1-7.
46. Hasanpour Kashani Sharareh, Barvestani Jamal, Meshginqalam Bahar, 2022, The effect of different dopants and their positions on the magnetic properties of an armchair antimonene nanoribbon: comprehensive theoretical investigation, PHYSICA SCRIPTA, 97, 085808.

International conferences

1. Barvestani J, and Kalafi M Soltani-vala A, International Conference in Materials for Advanced Technologies (ICMAT), 1-6 July, Singapore (2007).
2. Barvestani J, International Conference in Materials for Advanced Technologies (ICMAT), 28 June-3 July, Singapore (2009).
3. Soltani-vala A, Hoseini N., Rezaei E., Barvestani J, Fourth International Conferenceon Optical, Optoelectronic and

Photonic Materials and Applications (ICOOPMA2010), 15-20 August, Budapest (2010).

4. Barvestani J, Fifth International Conferenceon Optical, Optoelectronic and Photonic Materials and Applications (ICOOPMA2012), 3-7 June, Nara, JAPAN (2012).
5. Barvestani J, Kalafi M and Soltani-vala A, International School of Optics and Optic Materials (ISCOM), 3-7 September, Belgrade (2007).
6. Siah sahlan Mahnaz, Barvestani Jamal, 5TH RIAPA Meeting On Low Dİmensional Systems, poster presentation, brief article, The effect of strain and magnetic field on the interband nonlinear refractive index in an anisotropic disc shaped quantum dot in the presence of a Gaussian impurity, May, Tabriz (2017).
7. Hosseinpour Parinaz, Soltani Vala Ali, Barvestani Jamal, the 7th International Conference on Nanostructures (ICNS7), poster presentation, complete article, Effect of magnetic and electric fields on the nonlinear optical rectification of a disk-like quantum dot with including Rashba spin-orbit interaction, Feb. Tehran, (2018).

National conferences

1. Barvestani Jamal, Kalafi Manouchehr, 7th conference on Iran condensed matter, Optimization of an AlGaN ultraviolet photoconductor detector and the effect of exciton level on its detectivity, Jan. 2005, Tehran.
2. Barvestani Jamal, Kalafi Manouchehr, Soltani Vala Ali, 12th Annual IASBS Meeting on Condensed Matter Physics, Invetigation of surface states in one-dimensional photonic crystals, May 2006 Zanjan.
3. Barvestani Jamal, Kalafi Manouchehr, Soltani Vala Ali, annual physics conference of Iran, The effect of thin linear layer on the surface states in one-dimensional photonic crystals, Sep. 2006 Shahrood.
4. Barvestani Jamal, Kalafi Manouchehr, Soltani Vala Ali, 8th conference on Iran condensed matter, Surface optical waves in the one-dimensional photonic crystal containing of positive and negative layers. Sep. 2007 Mashhad.
5. Soltani Vala Ali, Kalafi Manouchehr, Barvestani Jamal, 13th Annual IASBS Meeting on Condensed Matter Physics, Defect modes in one-dimensional photonic crystals with supercell method, May 2008 Zanjan.
6. Soltani Vala Ali, Barvestani Jamal, Kalafi Manouchehr, annual physics conference of Iran, Investigation of defect modes in one-dimensional photonic crystals containing of left-handed defect layer, Sep. 2008 Yasouj.
7. Barvestani Jamal, Soltani Vala Ali, Hajian Hojjat, Kalafi Manouchehr, 15 th Iranian Conference on Optics and Photonics, Backward and Forward Surface Optical Waves in Semi- Infinite One Dimensional Photonic Crystals Made of Alternative Layers of RightHanded and Frequency-Dependent Left-Handed Materials, Jan. 2009 Isfahan.
8. Hajian Hojjat, Soltani Vala Ali, Kalafi Manouchehr, Barvestani Jamal, 9th conference on condensed matter: PSI, Control of surface modes in one-dimensional photonic crystal composed of left and right handed layers by a thin nonlinear cap layer, Jan. 2009 Ahvaz.
9. Soltani Vala Ali, Barvestani Jamal, 9th conference on condensed matter: PSI, Study of point defect modes in two-dimensional photonic crystals with triangular lattice, Jan. 2009 Ahvaz.
10. Barvestani Jamal, 15th Annual IASBS Meeting on Condensed Matter Physics, Surface localiaed waves in one-dimensional photonic crystals with a superconducting cap layer, May 2009, Zanjan.
11. Rezaei Emad, Soltani Vala Ali, Kalafi Manouchehr, Barvestani Jamal, 15th Annual IASBS Meeting on Condensed Matter Physics, Electrical tuning of surface waves in one-dimensional photonic crystals with a liquid crystal cap layer, May 2009, Zanjan.
12. Barvestani Jamal, 16th Annual IASBS Meeting on Condensed Matter Physics, Properties of defect modes in one-dimensional single-negative photonic crystals with a defect layer, May 2010, Zanjan.
13. Jeddi Alireza, Barvestani Jamal, Kalafi Manouchehr, annual physics conference of Iran, Study of the Displacement Effect of Adjacent Rows in Slowing of Light at Linear Waveguide of Photonic Crystal, Sep. 2010 Hamadan.
14. Barvestani Jamal, annual physics conference of Iran, Derivation of analytical dispersion relation for pair-defect in one-dimensional photonic crystal, Sep. 2010 Hamadan.
15. Rezaei Emad, Barvestani Jamal, Soltani Vala Ali, Kalafi Manouchehr, annual physics conference of Iran, Control of Surface State in a two-dimensional Photonic Crystal by Using of Hightemperature Super Conductor Rods, Sep. 2010 Hamadan.
16. Mehrabi Mohsen, Soltani Vala Ali, Kalafi Manouchehr, Barvestani Jamal, 10th conference on Iran condensed matter, Interface states in photonic crystal heterostructure, Jan. 2011 Shiraz.
17. Barvestani Jamal, 10th conference on Iran condensed matter, Surface waves in a one-dimensional dielectric-superconductor photonic crystal with a cap layer, Jan. 2011 Shiraz.

18. Nasirpouri Forough, Soltani Vala Ali, Barvestani Jamal, national conference on physics of payame noor university, Electro-tuning of waveguide modes in two dimensional photonic crystals, Oct. 2011 Tabriz.
19. Hashemi Rasool, Barvestani Jamal, Soltani Vala Ali, 3rd national conference on advances in superconductivity, Behavior of Superconductivity defect modes in two-dimensional photonic crystals, May 2012 Kashan.
20. Hashemi Rasool, Barvestani Jamal, Soltani Vala Ali, 3rd national conference on advances in superconductivity, The use of Copper Oxide Superconductor as a Defect in Two-Dimensional Photonic Crystal, May 2012 Kashan.
21. Hashemi Rasool, Barvestani Jamal, Soltani Vala Ali, 18th condensed matter meeting, Tuanabilty of superconducting point defect modes in two dimensional photonic crystals, May 2012 Zanjan.
22. Nasirpouri Forough, Soltani Vala Ali, Barvestani Jamal, annual physics coenference of Iran, Tunability of waveguide modes in two dimensional photonic crystals, Aug 2012 Yazd.
23. Hosseinpour Parinaz, Soltani Vala Ali, Barvestani Jamal, annual physics coenference of Iran, Large Faraday rotation using a double layer Graphene as cap layer on one-dimensional photonic crystals, Aug 2013 Birjand.
24. Mohammadzadeh Hajar, Barvestani Jamal, 19th condensed matter meeting, The behavior of superconducting defect modes in two dimensional photonic crystals with out of plane propagation, May 2013 Zanjan.
25. Hashemi Rasool, Barvestani Jamal, 19th condensed matter meeting, Study of localized defect modes in two-dimensional photonic crystal fiber, May 2013 Zanjan.
26. Mollapour Salim, Barvestani Jamal, Oskooi Somayeh, annual physics coenference of Iran, Investigation of the effect of surface changes on self-collimated beam in photonic crystal-air interface in a two-dimensional photonic crystal, Sep. 2014 Zahedan.
27. Oskooi Somayeh, Barvestani Jamal, annual physics conference of Iran, The study of coupling semi-circular photonic crystal and 2D square photonic crystal w1 waveguide, Sep. 2014 Zahedan.
28. Aghayari Zahra, Barvestani Jamal, Soltani Vala Ali, annual physics coenference of Iran, Studying slow light in two dimensional annular photonic crystal waveguides, Sep. 2014 Zahedan.
29. Oskooi Somayeh, Barvestani Jamal, Soltani Vala Ali, 21th Iranian conference on optics and photonics, The study of thermal tunable coupling between a semiconducting photonic crystal waveguide and graded index photonic crystal, Dec. 2014 Tehran.
30. Hosseinpour Parinaz, Effect of Rashba spin-orbit coupling on the optical properties of InAs quantum dot with hard-wall confining potential, Jan. 2015 Isfahan.
31. Hosseinpour Parinaz, Soltani Vala Ali, Barvestani Jamal, 21st Annual IASBS Meeting on Condensed Matter Physics & School on Complex Fluids, The effects of dot size on the optical properties of a hard wall InAS quantum dot in the presence of Rashba spin-orbit coupling, May 2015 Zanjan.
32. Kaviani Baghbadorani Hajar, Barvestani Jamal, 7th National Conference on Physics of Payame Noor University, Investigation of defect mode in one dimensional Fibonacci fractal Graphene photonic crystal, Apr. 2016 Tabriz.
33. Hosseinpour Parinaz, Barvestani Jamal, Soltani Vala Ali, National Conference on Physics of Payame Noor University, Effect of decay length of impurity on the refractive index changes of a parabolic quantum dot with including Rashba spin-orbit interaction, Apr. 2016 Tabriz.
34. Siah sahlan, Mahnaz, Barvestani Jamal, 13th conference on Iran condensed matter, Effect of Gaussian impurity on the absorption spectra in the disc shaped quantum dot, Feb. 2017 Tehran.
35. Asghari Saba, Barvestani Jamal, 8th National Conference on Physics of Payame Noor University, Investigation of structural effect on the slowing of light in slotted two- dimensional photonic crystals, May 2017 Shiraz.
36. Kaviani Baghbadorani Hajar, Barvestani Jamal, Roshan Entezar Samad, 24th Iranian Conference on Optics and Photonics, The performance of photonic crystal sensor with grapheme nano-layer in different chemical potentials, Feb. 2018 Shahr Kord.
37. Kaviani Baghbadorani Hajar, Barvestani Jamal, Roshan Entezar Samad, 24th Iranian Conference on Optics and Photonics, Fibonacci photonic crystal bio-sensors with graphene Nano layers, Feb. 2018 Shahr Kord.
38. Bashiri, Javad, Rezaei, Behrooz, Barvestani Jamal, annual physics conference of Iran, Investigation of surface states in one dimensional photonic crystals with a chiral cap layer, Aug. 2018 Qazvin.
39. Abedini Aminabad Zahra, Barvestani Jamal, Soltani Vala Ali, 25th annual IASBS Meeting on Condensed Matter Physics, nonreciprocity of magnetosurface plasmon modes in the structure composed of InSb and graphene at teraHertz, June 2019 Zanjan.

40. Moharrami Roghayyeh, Barvestani Jamal, Meshginqalam Bahar, 25th annual IASBS Meeting on Condensed Matter Physics, The strain effect on the energy gap and density of states of silicene nanoribbons, June 2019 Zanjan.
41. Hasanpour Sharareh, Meshginqalam Bahar, Barvestani Jamal, 25th annual IASBS Meeting on Condensed Matter Physics, Investigation of gate voltage on the performance of silicene nanoribbon field effect transistor, June 2019 Zanjan.
42. Hasanpour Sharareh, Meshginqalam Bahar, Barvestani Jamal, annual physics conference of Iran, Investigation Of Impurity Effect on the Current-Voltage Diagram Of Silicene nanoribbon Field-Effect Transistor, Sept. 2019.
43. Moharrami Roghayyeh, Meshginqalam Bahar, Barvestani Jamal, annual physics conference of Iran, Doping Effect on The Band Structure of Armchair Silicene Nanoribbons, Sept. 2019.
44. Abedini Aminabad Zahra, Barvestani Jamal, Soltani Vala Ali, annual physics conference of Iran, Investigation of nonreciprocal properties of surface magnetoplasmons in an InSb/graphene/air/graphene/InSb waveguiding structure, Sept. 2019.
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