First Name: Hamdollah(Hamid)

Last Name: Salehi

Date of Birth:

Marital Status: Married

Last Academic Degree: Associate Professor of Physics

Date of Employment: May 14, 1993

Employment Status:

Academic Rank: Associate Professor of Physics

Department: Physics, **Faculty:**Science

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➢ Education Qualifications

Degree		year
B.Sc physics	Shahid Chamran University of Ahvaz	**1985-1989**
M.Sc,Solid state physics ,"On the calculation of transport Coefficient of normal liquid ^{3}He and the effect of finite temperature on these coefficients"	University of Esfahan	**1990-1992**
Ph.D, Condensed Matter physics "The effect of Ni addition on electrical and structure behavior of $BaTiO_3$Ceramics"	Ferdowsi University of Mashhad	**1998-2003**

➢ Field of Interest in Research

Condensed Matter Physics

Computational Simulation in Condensed Matter Physics(Ab initio,DFT methods)
Electronic and Structural Properties of Solids, especially Nanotubes,Nanolayers and Graphene,
Acoustic Properties (Elastic constants), Optical properties (Dielectric constants)
Majorana fermions, topological insulators and superconductors, Granular electronic systems
MetaMaterial

➢ Honor And Awards

1: Rank First B.SC ,Shahid Chamran university of Ahvaz, August, 1989
2: researcher, Shahid Chamran university of Ahvaz, December, 2006
3: top researcher, Shahid Chamran university of Ahvaz, December, 2008

➢ Published Papers in Academic Journals

No	Titel Paper	Journal
1	Calculation of electronic structure and density of state for $BaTiO_3$	Iranian Journal of Physics Research (IJPR),Vol3
2	Calculation of optical properties and electronic structure of $BaTiO_3$	Iranian Journal of Physics Research (IJPR),Vol5

3	Theoretical Calculation of the Partial density of state,total density o f state and optical properties of tetragonal $BaTiO_3$	Shahid Chamran University Journal Of Science.No.13
4	Optical properties and electronic structure of ceramics tetragonal $PbTiO_3$ by using *LAPW*	Iranian Journal of Physics Research (IJPR),Vol6
5	Electronic Structure Studies of the differences in ferroelectric behavior of The $BaTiO_3$ and $PbTiO_3$	Journal of Science (AL-Zahra University)
6	Calculation of electronic structure of LiBC superconductorby ab initio	Journal of Science (AL-Zahra University)
7	Investigation of structural and band structure ofTiB_2 by density functional theory	Journal of Science (AL-Zahra University)
8	Calculation of electronic structure and energy band of PtN compound by using the density functional theory	Shahid Chamran University Journal Of Science.No.21
9	X-Ray Spectra in the $BaTiO_3$ crystal by using DFT	Journal of Science (AL-Zahra University)
10	Calculation of structural and electronic properties of the semi-conductor $MgSe$ by using $FP-LAPW$ method	Irananin Journal of Crystallography and Mineralogy
11	Determination of the electronic structure and density of electronic states of Orthorhombic $LaCO_3$ Ceramic in the Framework ofDFT	Journal of Advanced Materials and Technologies
12	Calculation of electronic and optical properties of Tin dioxide in cubic Phase	Shahid Chamran University Journal Of Science.No.
13	Calculation Of the structure parametrsOf Tin dioxide in $CaCl_2$ Phase	Journal of Advanced Materials and Technologies
14	Calculation of band structure of $BaZrO_3$ crystals by using density functional theory	Journal of Science (AL-Zahra University)
15	Investigation of Hubbard parameter on structural, magnetic and electronic properties of mono ferrite strontium	Journal Of Research On Many-Body system
16	Investigation of structure , electronic , optical and mechanical properties of strontium sulfide using pseudopotential method	Journal of Science Kharazmi University
17	Ab-initio investigation of structural, electronic and optical properties BSb compound in bulk and surface (110) states	Iranian Journal of Physics Research (IJPR),
18	Calculation the Structural Parameters and Electronic Charge Distribution of TaB_2 Compound Using Pseudo-Potential Method	Iranian Journal of Chemistry and Chemical Engineering (IJCCE)
19	The study of structure parameters and energy band structures of Ti_2InC using perturbation density functional theory method	Journal of AppliedPhysics(AL-Zahra University)
20	Ab-initio study of Ag-chain adsorbed on graphene sheet	Iranian Journal of Physics Research (IJPR)
21	Investigation of Structural/Optical Properties of $MgAl_2O_4$ Using “density functional theory	Journal of Modern research physics, Kharazmi University(1395)
22	The study of electronic structure ofNb_3Ga by using abinitio method	Journal of AppliedPhysics(AL-Zahra University)
23	Investigation of structural, electronic properties of cubic phase of ReO_3 by using ab-anitio method	Journal of AppliedPhysics(AL-Zahra University)
24	An investigation of structural, electronic and optical properties of HgTe in cinnabar phase using pseudopotential method	Journal of AppliedPhysics(AL-Zahra University)
25	The effect on entanglement potential using the density-functional theory	Journal of Modern research physics, Kharazmi University
26	Investigation of electronic structure of $KNbO_3$ in cubic phase byFP-LAPW method	Journal Of Research On Many-Body system
27	Investigation of structural , electronic and phononic properties of InN in wurtzite phase	Journal Of Research On Many-Body system
28	Calculation of electronic and optical properties of Na_2S in orthorombic phase	Journal Of Research On Many-Body system, Summer 2017
29	Calculation of band structure of ZnS semiconductor	Quantum Physics
30	Calculation of the structure properties of the cubic phase of$LaCrO_3$ using $FP-LAPW$ method.	Journal of AppliedPhysics(AL-Zahra University)

31	Investigation of structural and electronic properties of chalcopyritesemiconductors inbulk and its nanolayers:ab initio study	Iranian Journal of Surface Science and Engineering
32	Calculation of structural and electronic properties of the semi-conductor MgSe in wurtzite hexagonal(B_4) phase by using DFT	Iranian Journal of Chemistry and Chemical Engineering (IJCCE)
33	Band Structure of tetragonal $BaTiO_3$	The Europan Physical Journal.**B32**,177-180(2003)
34	First- principle studies on the electronic structure of $BaTiO_3$ differentapproximations	Chinese Journal of Physics,42, No.5, (2004)
35	The effects of Ni on structural and electronic properties of $BaTiO_3$ ceramic	Ceramics International 30, 81-85(2004)
36	Ab initio studies on band structure of $CaTiO_3$	Indian J. Phys.79(1), 25-29(2005)
37	Sr – doping effect on the electronic structure of $BaTiO_3$ ceramic	Endian j. phys.8,(12) 7795 – 7200(2006)
38	Investigation of the optical properties of $CdBr_2$	Optics and photonics Journal ,(2011)
39	Electronic and structure properties of Tin dioxide cubic phase	Iranian Journal of science,Vol34,A2,(2010)
40	First-principles study of the optical properties of $SrHfO_3$	Optics and photonics Journal ,(2011)
41	First Principles studies on the electronic structure and band structure of paraelectric $SrTiO_3$ by different approximations	Journal of Modern physics(2011)
42	The effect of spin-orbit coupling on UGa_3 properties	World applied Science Journal(2011)
43	Ab initio calculations of electronic structure of three phases of ZnO	World applied Science Journal(2011)
44	Electronic and structural properties of Sr_2VO_3FeAs	Jp journal of fundamental and Applied statics(2012)
45	First-principle study of elastic, structural, electronic, thermod ynamical and optical properties of yttria (Y_2O_3) ceramic in cubic phase	Journal of the American Ceramic Society(2013)
46	Ab initio study of electronic properties of a armchair (7,7) carbon nanotube	Advances in Materials physics and Chemist(2012)
47	The investigate effect of lattice angle on the band gap with in 3D phononic crystals with rhombohedral(I) lattice	Applied physicA(2013)
48	The generalization of structure factor for rods by polygon section in two-dimensional phononic crystals	Iranian Journal of science(2013)
49	First principles study of structural, electronic and magnetic properties of Strontium Mono Ferrite Ceramic	Journal of the American Ceramic Society(2014)
50	First principle study of the physical properties of XSb (X=B,Al, Ga, In) compounds under hydrostatic pressures	Materials Science in Semiconductor Processing(2014)
51	Ab-initio study of the structural, electronic and optical properties of BSb (110) and (100) surfaces"	Surface Science(2014)
52	First principles study of total energy and electronic properties of $SrHfO_3$ in tetragonal Phase	International materials physics journals(2014)
53	Investigation the effect of lattice angle on the band structure in3D phononic crystals with rhombohedral(II) lattice	Applied physicA(2014)
54	Calculation of electronic and structural properties of$LaGaO_3$ using DFPT	International materials physics journals(2014)
55	First principels calculation of optical and magnetic properties of $SrFe_2O_4$ compound underpressure	Physic letterA(2014)
56	The calculation of the band structure in3D phononic crystal with hexagonal lattice	Zeitschrift für Naturforschung A(2015)
57	The electronic, magnetic and optical properties of Cr-doped MC (M=Si, Ge and Sn): A density functional theory approach	Materials Science in Semiconductor Processing(2015)
58	Noble Metal Chain Adsorption on Graphene Sheet	Surface Science(2016)
59	Ab initio study of structural, electronic and optical properties of ternary chalcopyrite semiconductors	Materials Science in Semiconductor Processing(2016)
60	Ab-initio study of thermodynamicand phonon properties of	Journal Of Current Resachrch

	$CuSbSe_2$ and $CuSbS_2$ compounds	science(2016)
61	Physisorption mechanism in graphene/noble metal (111)/Ni(111) heterostructures: an *ab-initio* study	Applied physicA(2016)
62	Study of tunneling process effects on the fluctuation conductivity of a granular s-wave superconductor in nanometer-scale	Physica C(2016)
63	Fluctuations electrical conductivity in a granular s-wave superconductor	Solid State Communications(2017)
64	An investigation of electronic and optical properties of InN nanosheet by first principle study	Optics Communications(2016)
65	A comparison of the structural, electronic, optical and elastic properties of Wurtzite, Zinc-Blende and Rock Salt TlN: A DFT study	ACTA Physica polonica.A(2016)
66	An investigation of electronic and optical properties ofTIN nanosheet and compare with TIN bulk(Wurtzite)by first principle	Optik(2016)
67	Ab-initio study of thermodynamic and phonon properties of $CuSbX_2$ (X=S,Se) compounds	The Quarterly Journal of Optoelectronical Nanostructures(2016)
68	Validation of the Wiedemann-Franz Law in a Granular s-Wave Superconductor in Nanometer-Scale	Chinese Physics B(2017)
69	Density functional study of d^0 half-metallic ferromagnetism in a bulk and (001) nano surface of KP compound	Physic letterA(2017)
70	Investigation of structural, electrical and optical properties of $BaZrO_3$ with density functional theory	Iranian Journal of Chemistry and Chemical Engineering (IJCCE)
71	Investigation of optical and electronic properties of $CuSbX_2(X = Se, S, Te)$ compound (001) surface using density functional theory	Iranian Journal of Surface Science and Engineering
72	Investigation of Electronic and Band Structures of $CdBr_2$ by DFTP Method	Journal of AppliedPhysics(AL-Zahra University)
73	Calculation of band structure,charge distribution and optical properties of semiconductor cadmium chloride	Journal of Research in Chemistry and Chemical Engineering
74	Investigation of structural and electronic properties of $AgGaX_2$(X=S,Se,Te) and $CuSbX_2$(X=S,Se,Te) compounds using density functional theory	Iranian Journal of Chemistry and Chemical Engineering (IJCCE)
75	Firstprincipeles study ofelectronicalandoptical properties of bulkTiC and it's narrow nanowires by density functional theory	Journal of Advanced Materials in Engineering (Esteghlal) *Isfahan University of Technology*
76	Calculation of electronic, structural, optical and elastic properties of Heusler compounds (Co_2CrAl and Co_2CrGa)	Journal Of Research On Many-Body system, Summer 2018
77	The study of band structure, absorption and transmission coefficients of two-dimensional phononic crystals	Journal of Acoustical Engineering Society of Iran
78	Simulation an sound waveguide by two-dimensional phononic crystal with a Hexagonal latice	Journal of Acoustical Engineering Society of Iran
79	An investigation of structural, electronic and optical properties of HgTe in cinnabar phase using pseudopotential method	Journal of AppliedPhysics(AL-Zahra University)
80	The effect of spin-orbit coupling on structural, electronic, phononic and thermodynamic properties of GaBi compound	Journal of Modern research physics, Kharazmi University(1397)
81	A study on the Wiedemann-Franz law in a granular s-wave superconductor, given the tunneling between the grains in cooper pair fluctuation propagator and impurity vertex.	Journal of Superconductivity and Novel Magnetism(2017).
82	Electronic structure and optical properties of bulk and two-dimensional $CdWO_4$ from first principles	PhysicaB(2017)
83	First-Principles Study of Structure,electronic and Optical Properties of HgSe in Zincblende (B3) phase	The Quarterly Journal of Opto electronical Nanostructures (2018)
84	Dynamics of electron motion using a Fokker-Planck equation and of emission of radiation during planar channeling	Nuclear Inst and Methohs in physic research B(2018)
85	Biaxial layering transition of hard rod-like particles in narrow slit-like pores	Physical Review E(2018)

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➢ Papers and Abstracts in Conference Proceedings

NO	Titel	Conference
1	Theoretical Calculation of the structure,total density o f state and density of electron of $BaTiO_3$	Annual Physics Conference of Iran, Zanjan, August 2002
2	Calculation of band structure andtotal density o f state of Paraelectric $BaTiO_3$	Annual Physics Conference of Iran, Zanjan, August 2002
3	Theoretical Calculation of the total and partial density o f state in Theoretical Calculation of the structure,total density o f state and density of electronof $BaTiO_3$ tetragonal phases	Condensed matter sixth conference of Iran, Yazd, February 12-13, 1381.
4	determanation of band strucrure in $BaTiO_3$ tetragonal phases	10th Symposium of Crystallography and Mineralogy of Iran
5	The effect of impurities on the band structure of crystals of barium titanate	9st Annual IASBS Meeting on Condensed Matter Physics & School on Complex FluidsMay 8-9, 2003 (18-19 Ordibehsht1382)
6	The theoretical calculaton Band structure and density of states in $Ba(Ti_{0.875}Ni_{0.125})O_3$	Annual Physics Conference of Iran, Tabiyat Moalem Azarbayejan university,August,2003
7	Band structure , electronic structure and density of states in $PbTiO_3$crystal tetragonal	The 3rd scientific –applied conference of physics,9-10March ,2005 Shahid Chamran University of Ahvaz
8	The theoretical calculaton Band structure , electronic structure and density of states in $CaTiO_3$	10st Annual IASBS Meeting on Condensed Matter Physics & School on Complex Fluids May 2004 (18-19 Ordibehsht1383)
9	Comparing the electronic structure and band structure of the electron energy $(Ba_{0.75}Ni_{0.25})TiO_3$ with $BaTiO_3$cubes	12th Symposium of Crystallography and Mineralogy of Iran
10	The band structure in $KaTiO_3$ crystalin Cubice phase	12th Symposium of Crystallography and Mineralogy of Iran
11	Calculationband structure and density of state inMgB_2 superconductor	The first Joint Conference on Condensed Matter ,December 2005, Semnan University
12	Dielectric function and energy band structure in the tetragonal $PbTiO_3$	The first Joint Conference on Condensed Matter ,December 2005, Semnan University
13	Calculation electronic structure inMgB_2 superconductor by different approximation	Annual Physics Conference of Iran, Khoram abad university, August,2005
14	Comparing the electronic structure BeB_2 with MgB_2	13th Symposium of Crystallography and Mineralogy of Iran
15	Investigation of electronic structure TiB_2 using DFT	13th Symposium of Crystallography and Mineralogy of Iran
16	Investigation of density of state and charge electronic TiB_2	Annual Physics Conference of Iran, Shahrood University of Technology, August,2006
17	Investigation of band structure TiB_2 using DFT	12st Annual IASBS Meeting on Condensed Matter Physics & School on Complex Fluids,June, 2006 **,Khordad**1385
18	Calculation band structure and electronic structure of $SrTiO_3$ by using DFT	14th Symposium of Crystallography and Mineralogy of Iran
19	Investigation of Ferroelectric behaviore differences $BaTiO_3$and $PbTiO_3$bystructure electronic	14th Symposium of Crystallography and Mineralogy of Iran
20	Calculation band structure of $LaGaO_3$ in cubic phase by using DFT	13st Annual IASBS Meeting on Condensed Matter Physics & School on Complex Fluids June, 2006 ,Khordad1386
21	Calculation electronic structure and density of states of $LaGaO_3$ in cubic phase by using DFT	Annual Physics Conference of Iran, Yasoj university, August,2007
22	Optical Properties of $PbTiO_3$ in tetragonal Phase	Annual Physics Conference of Iran, Yasoj

		university, August,2007
23	Calculation of electronic structure of GaAs crystal by using first principle	15th Symposium of Crystallography and Mineralogy of Iran
24	Calculation of the EBS, electronic density and Total Dos of Para and Ferroelectric $BaTiO_3$	12th Gordon Godfrey Workshop on Condeased Physics,2002
25	Calculation of electronic structure properties of LiBC	15th Symposium of Crystallography and Mineralogy of Iran,, Ferdowsi University of Mashhad,Bahman86
26	Investigation Optical Properties of ~ -$Al_2O_3$by density functional theory	14th Iranian Conference on optic and photonics ,30 January 2008
27	Optical Properties of $PbTiO_3$ in Paraelectric Phase	New Materials National Congress,10-12 June, 2008, Materials and Energy Research Center
28	Investigated of band structure of PtN combination by using the Full Potentiol-Linearized Augmented Plane Wave	New Materials National Congress,10-12 June, 2008, Materials and Energy Research Center
29	Determination of the electronic structure and density of electronic state of orthorombic $LaCrO_3$ ceramic in framework of DFT	New Materials National Congress, 10-12June, 2008, Materials and Energy Research Center
30	Calculation of structure properties of PtN in Zinc-blend phases	16th Symposium of Crystallography and Mineralogy of Iran
31	Calculation the structure parameters and band structure of the semi-conductor MgSe crystal by FP-LAPW method	16th Symposium of Crystallography and Mineralogy of Iran
32	Investigated of densiy of states and charge electronics of SnO_2 by First principles	3th National Conference on physics of payame noor university,Aban87,Ahvaz
33	Calculation the structure parameters of Yttrium Oxide by using DFT	3th National Conference on physics of payame noor university,Aban87,Ahvaz
34	Investigation of band structure znO by using the FP-LAPW method	9th Conference on Condensed Matter, Shahid Chamran university of Ahvaz,February 2009
35	Calculation of structure parameters and Compersibility SnO_2in tetragonal phases	First Crystal Growth Conference ,ordybehsht 88-Semnan University,(May 2009)
36	Calculation of charge electronic and compersibility SnO_2 in planes (110) and(100) using DFT	10th National Seminar on Surface enginee ring, Isfahan university of technology(Isfahan,Iran) May 2009
37	Calculation of structure properties and charge density of Y_2O_3 ceramic in planes (110) and(100) by using FP-LAPW method	10th National Seminar on Surface enginee ring, Isfahan university of technology (Isfahan, Iran) May 2009
38	Preparation of TiO_2 / SnO_2 nano composite thin film and investigation effect of SnO_2 concentration on their hydrophilic properties	First Crystal Growth Conference ,ordybehsht 88-Semnan University ,(May 2009)
39	*DFT* Calculation of band structure of SnO_2 in $CaCl_2$ phases by DFT method	Annual Physics Conference of Iran, Isfahan University of Technology, August,2009
40	Investigating the density states and electron density in the semi-conductor MgSe crystal by using first principles	Annual Physics Conference of Iran, Isfahan University of Technology, August,2009
41	Calculation of the ,optical properties of magnesium selenide semiconductor by Ab initio	17th Symposium of Crystallography and Mineralogy of Iran
42	Investigation of optical properties of Y_2O_3 by DFT	17th Symposium of Crystallography and Mineralogy of Iran
43	Calculation the structure parameters of Platinum mononitride in Rs phase	17th Symposium of Crystallography and Mineralogy of Iran
44	Calculation of band structure of the semiconductor crystal KBr by using density function theory	1st Regional conference Last perspective of research in chemistry and nanotechnology, Islamic Azad University of Dorud, March 2010
45	Studying the structure properties of $BaLiF_3$ using DFT	Regional Conference on Condensed Matter Physics, Islamic Azad University of Khoy, March 2011
46	Theoretical investigation of distribution charge	Regional Conference on Condensed Matter

	and dielectric tensor of Inp by using One-electron approximation	Physics, Islamic Azad University of Khoy, March 2011
47	The study of structure parameters of ZrNCl with spin-orbit interaction by ab initio methods	1st Regional conference Last perspective of research in chemistry and nanotechnology, Islamic Azad University of Dorud, March 2010
48	The study of structure parameters ZrNCl by Ab initio methods	Regional Conference on Physics payam noor, November 2009, Payam noor university Tabriz
49	investigation of charge distribution in ZrNCl	Regional Conference on the fundamental role of chemistry in science, engineering and new technologies, Islamic Azad University of Neyriz, December 2009
50	Investigation of structural properties of $ReO_3$by Density Functional Theory	Annual Physics Conference of Iran, Bu-Ali Sina University, August,2010
51	The study of structure parameters and energy band structures of Ti_2InC using perturbation density functional theory method	Annual Physics Conference of Iran, Bu-Ali Sina University, August,2010
52	Investigation of band structure and distribuation charge of $CdCl_2$ by DFT mehtod	Annual Physics Conference of Iran, Bu-Ali Sina University, August,2010
53	Investigation of band structure and distribuation charge of $CdBr_2$ by DFT mehtod	Annual Physics Conference of Iran, Bu-Ali Sina University, August,2010
54	Investigation of Phonon spectrum and thermal properties of Indium Phosphide using First principle	18th Symposium of Crystallography and Mineralogy of Iran, Septamber2010-Tabriz
55	Investigation of structur properties of ZnS in Zb-Phase	18th Symposium of Crystallography and Mineralogy of Iran, Septamber2010
56	Calculation of electoronic structur of$CdCl_2$ crystal using first principle	18th Symposium of Crystallography and Mineralogy of Iran, Septamber2010
57	Calculation of charge electronics and compercibility $CdBr_2$ in plane (110) in tetragonal phase by DFT	11th National Seminar on Surface enginee ring, Theran, Iran, October 2010
58	Investigation compersibility and chargdensity in plane(110) of InP cubic phase	11th National Seminar on Surface enginee ring, Theran, Iran, October 2010
59	Calculation of structure parameters of InP in cubic phase	1st Regional chemistry Congres Islamic Azad ,University Zanjan-Branch,Mehr89
60	Investigation of electronic structure and electronic charge density of Ti_2InC by pseudopotential method	1st Regional chemistry Congres Islamic Azad ,University Zanjan-Branch ,Mehr89
61	The chrge distribution quality of semiconductor $CdBr_2$ crystal in(101) plane by using DFTP	1st Regional chemistry Congres Islamic Azad ,University Zanjan-Branch,Mehr89
62	The chrge distribution quality of semiconductor ZnO crystal in(100),(110) and (111) planes using the DFT	1st Regional chemistry Congres Islamic Azad ,University Zanjan-Branch ,Mehr89
63	Calculation Compersibility and Charge density in Zns by using FP-LAPW method	4th National Conference on physics of payame noor university,Aban89,Esfahan
64	The calculation theoretical of dynamics properties InP by pseudopotential method	4th National Conference on physics of payame noor university,Aban89,Esfahan
65	Investigation electronic properties Nb_3Ga by Ab initio method	4th National Conference on physics of payame noor university,Aban89,Esfahan
66	Investigation of energy bands structure in rock salt phase of ZnO by using FP-LAPW method	4th National Conference on physics of payame noor university,Aban89,Esfahan
67	Calculation distrubation and density of state in semiconductor $CdCl_2$	4th National Conference on physics of payame noor university,Aban89,Esfahan
68	Investigation electronic properties SnO_2 in Orthorombic Phase	4th National Conference on physics of payame noor university,Aban89,Esfahan
69	Calculation band structure of $Bi_2Sr_2Ca_2Cu_3O_{10}$ compound in tetragonal phases by DFT method	4th National Conference on physics of payame noor university,Aban89,Esfahan
70	Investigation electronic propertiesBaLiF3 by FP-LAPW method	4th National Conference on physics of payame noor university,Aban89,Esfahan
71	Calculation Compersibility and Charge	4th National Conference on physics of payame

	electronics of $SrHfO_3$ in tetragonal phases by DFT method	noor university,Aban89,Esfahan
72	The calculation optical properties compound $Bi_2Sr_2Ca_2Cu_3O_{10}$in tetragonal phase using DFT	10th Conference on Condensed Matter, 26-27January 2011 ,Shiraz University
73	Calculation of phonon mods and electron charge density ofTi_2InC using First principle	10th Conference on Condensed Matter, 26-27January 2011 ,Shiraz University
74	Theoretical investigation of phonon spectrum and thermal properties of InP using DFT	10th Conference on Condensed Matter, 26-27January 2011 ,Shiraz University
75	Investigation of electronic properties and electric field gradiant of ZnO crystal in Wurtizite phase	10th Conference on Condensed Matter, 26-27January 2011 ,Shiraz University
76	Calculation of structural parameters and how to distribute charge in the plane (110), zink belend ZnO	10th Conference on Condensed Matter, 26-27January 2011 ,Shiraz University
77	Investigation of Energy Bands Structure of ZnO in Zincblende Phase Using DFT	17th Iranian Conference on optic and photonics ,International Center of Science High technology ,8-10 February 2011
78	Theoretical Study on Electro Optical Properties of ZnO Crystal	17th Iranian Conference on optic and photonics ,International Center of Science High technology ,8-10 February 2011
79	The effect of La addition on optical properties of $\sim -Al_2O_3$	17th Iranian Conference on optic and photonics ,International Center of Science High technology ,8-10 February 2011
80	Investigation of optical properties of PbTe in cubic phase (pm-3m) by using DFT	17th Iranian Conference on optic and photonics ,International Center of Science High technology ,8-10 February 2011
81	Investigation of partial band structure and joint states electrons in semi conductor $CdCl_2$ using DFT	The Regional Chemistry Conference Iranian Conference, 2011-03-03 : Islamic Azad University of Miyaneh
82	Investigation electronic and band structure of $CdBr_2$ by DFTp mehtod	The Regional Chemistry Conference Iranian Conference, 2011-03-03 : Islamic Azad University of Miyaneh
83	Calculation of electron density of states in rock-salt phase of ZnO by DFT	The Regional Chemistry Conference Iranian Conference, 2011-03-03 : Islamic Azad University of Miyaneh
84	Investigation of charge distribution in HgSe using pseudopotential method	First National Congress of the establishment of modern chemistry by a regional Islamic Azad University of Shiraz,May2011(Ordibehsht1390)
85	Investigation of structure parametr Ag_2S using Ab initio method	First National Congress of the establishment of modern chemistry by a regional Islamic Azad University of Shiraz,May2011(Ordibehsht1390)
86	Investigation of distribution in SrS using pseudopotential method	First National Congress of the establishment of modern chemistry by a regional Islamic Azad University of Shiraz,May2011(Ordibehsht1390)
87	Calculation of optical properties of GaAs using density functional theory and used in industries	The2th Iranian Conference on optic and Laser Engineering ,ICOLE, May2011, Malek-Ashtar University of Technology
88	Investigation of optical properties of $CdBr_2$ using density functional theory	The2th Iranian Conference on optic and Laser Engineering ,ICOLE, May2011, Malek-Ashtar University of Technology
89	Calculation of Structure Peroperties of $SrHfO_3$ in tetragonal phase	The Regional Chemistry Conference ,March 2011,Islamic Azad university Meyaneh,Beranch
90	Investigation of electron distribution in ZrNClusing ab initio method	First National Congress of the establishment of modern chemistry by a regional Islamic Azad University of Shiraz,May2011(Ordibehsht1390)
91	Calculation of the density of state in $CdBr_2$ using DFTP	The Regional Conference on Condensed Matter Physics Application in Industry, August 2010, Izeh Islamic Azad University
92	Calculation of optical and electronical properties of SrS by pseudopotential method	19th Symposium of Crystallography and Mineralogy of Iran, Septamber2011
93	Calculation of density of state and charge density of $UGaO_3$ in cubic phase by First principel	19th Symposium of Crystallography and Mineralogy of Iran, Septamber2011
94	Calculation of density of state and charge density	19th Symposium of Crystallography and

	of $LaGaO_3$ in cubic phase	Mineralogy of Iran, Septamber2011
95	Optical properties of $BaLiF_3$ compound using fensity functional theory	Annual Physics Conference of Iran, Urmia University, August,2011
96	Investigation of structures parameters of PbTe in cubic phase by DFT	The Regional Chemistry Conference ,March 2011,Islamic Azad university Meyaneh,Beranch
97	Analysis of band structure and transmission coefficients of two dimensional phononic crystal	5th National Conference on physics of payame noor university,Mehr 90,Tabriz
98	Calculation of particle density for carbon dioxide and the influence on the temperature of oceans by using Fokker-plank equation	5th National Conference on physics of payame noor university,Mehr 90,Tabriz
99	Study of quantum flux of particle in one dimensional potential well by finite difference method	5th National Conference on physics of payame noor university,Mehr 90,Tabriz
100	Investigation of structure properties of $LaGaO_3$ by density functional theory	5th National Conference on physics of payame noor university,Mehr 90,Tabriz
101	The effect of miniaturization in the chromatic aberration cylindrical electroststic lenses	5th National Conference on physics of payame noor university,Mehr 90,Tabriz
102	The effect of miniaturization in the spherical aberration cylindrical electrostatic lenses	5th National Conference on physics of payame noor university,Mehr 90,Tabriz
103	Investigation of Optical Properties of InP in Cubic Phaseusing Pseudopotential Method	3rd National Conference on Modern Researches in Chemistry and Chemical Engineering
104	Calculation of density of state and charge density of $LaGaO_3$in orthorhombic phase by using DFPT	3rd National Conference on Modern Researches in Chemistry and Chemical Engineering
105	Investigation of charge distribution of MgB_2 by First principle method	3rd National Conference on Modern Researches in Chemistry and Chemical Engineering
106	Calculation band structure and density of state SrS using Psoudopotential Method	3rd National Conference on Modern Researches in Chemistry and Chemical Engineering
107	Calculation structure parametr and distrubation charge in Compound HgSe in cinabar phase	3rd National Conference on Modern Researches in Chemistry and Chemical Engineering
108	calculation structure parametr and thermal Coeficence $GeSn_3$	3rd National Conference on Modern Researches in Chemistry and Chemical Engineering
109	Investigation structure properties and calculation elastic cikstant LiF compound	3rd National Conference on Modern Researches in Chemistry and Chemical Engineering
110	Investigation structure properties and Choesive energy of InAs of boulk and nanowires in zinc blende	1thInternational Conference nanomaterials ,science and applications, February, 2012 (18-20 Bahman 1390) Islamic Azad University of Masjed Soleyman
111	First principles study of electronic properties of a armchair(7,7)carbon nanotube	1thInternational Conference nanomaterials ,science and applications, February, 2012 (18-20 Bahman 1390) Islamic Azad University of Masjed Soleyman
112	Investigation structure properties and Choesive energy of InAs of boulk and nanowires in wertzit	The second congress of nanoscience applications in defense of Imam Hussein,25-26 Bahman1390(14-15February 2012)
113	Calculation band structure and density of state InP nanowier by using Pseoudopotential method	The second congress of nanoscience applications in defense of Imam Hussein,25-26 Bahman1390(14-15February 2012)
114	Investigation of physical properties LiCl	The First National Conference on Innovations in Thin Film Processing and Their Characterization, International Center of Science High technology, December 29, 2011,Kerman
115	Calculation of optical properties of LiF by GGA and MBJ Approximations	Iranian Conference on optic and photonic , University of Tabriz, February, 2012
116	Calculation structure and band structure properties of $LaGaO_3$ in Ortorombic Phase using DFT	The First National Congress of Applied physics,(1390/12/06) February 25, 2012, Azad Shoushtar University
117	Investigation of structure and mecanic Properties SrS	The First National Congress of Applied physics,(1390/12/06) February 25, 2012, Azad Shoushtar University
118	The microscopic simulation of rocksalt phase of mercury selenide using ab-initio method	The First National Congress of Applied physics,(1390/12/06) February 25, 2012, Azad

		Shoushtar University
119	Calculation the structural parameters of TaB_2 compound in hexagonal phase using DFT	The First National Congress of Applied physics,(1390/12/06) February 25, 2012, Azad Shoushtar University
120	The Study of surface (001)Cu_3N compund by using First principles	13th National Seminar on Surface enginee ring, University of Tabriz, Iran, May 2012
121	Calculation structure parametr and cioefeicent crystal $CeSn_3$	First National Conference on computational Science.6-7 Septamber2012,university Damghan
122	The calculated band gap in two dimentional phononic crystal	First National Conference on computational Science.6-7 Septamber2012,university Damghan
123	Investigation of Structural properties of h-BN in bulk and surface (001) state	First National Conference on computational Science.6-7 Septamber2012,university Damghan
124	Calculation of structural parameters and density of state of AgBr in zincblende and NaCl phase	First National Conference on computational Science.6-7 Septamber2012,university Damghan
125	Investigation of structure properties and stability of HgSe phases in high pressure	Annual Physics Conference of Iran, Yazd university, 27-30August,2012
126	Investigation of the Optical Properties of $LaGaO_3$ using DFT	Annual Physics Conference of Iran, Yazd university, 27-30August,2012
127	Investigation of Structural and electric properties of strontium monoferrite by FP-LAPW method	Annual Physics Conference of Iran, Yazd university, 27-30August,2012
128	Investigation of optical properties Of LiI compound by GGA,and MBJ approximations	Annual Physics Conference of Iran, Yazd university, 27-30August,2012
129	Investigation on electronic, optic and mechanic properties of strontium sulfide (SrS) using pseudopotential method	The Annual Conference On Finite Element Methods In Applied Physics 2012-09-27 by in Kerman
130	The calculation of absorption and transmission coefficient in one and two dimensional phononic crystal	19th Iranian Conference on optic and photonic ,ICOP2013,5th Iranian Conference on photonic engineering ICPE2013,University of sistan and Balouchestan,Zahedan
131	Investigation of optical properties and pressure effect on strontium mono ferreit by GGA+U approximation *GGA+U*	19th Iranian Conference on optic and photonic ,ICOP2013,5th Iranian Conference on photonic engineering ICPE2013,University of sistan and Balouchestan,Zahedan
132	Investigation of optical properties of LiOH using DFT	19th Iranian Conference on optic and photonic ,ICOP2013,5th Iranian Conference on photonic engineering ICPE2013,University of sistan and Balouchestan,Zahedan
133	Calculation of optical properties of SrS by pseudopotential method	19th Iranian Conference on optic and photonic ,ICOP2013,5th Iranian Conference on photonic engineering ICPE2013,University of sistan and Balouchestan,Zahedan
134	Nonlinear optical response of Ag:SiO_2 nono composit;Influnce of particle shape	19th Iranian Conference on optic and photonic ,ICOP2013,5th Iranian Conference on photonic engineering ICPE2013,University of sistan and Balouchestan,Zahedan
135	Investigation of electron density and density of states of Strontium mono ferrite by DFT	20th Symposium of Crystallography and Mineralogy of Iran
136	Calculation of compressibility, electronic and dynamic properties of Indium Phosphide in Cubic Phase	20th Symposium of Crystallography and Mineralogy of Iran
137	Calculating the coefficient of linear electron specific heat of $LaSn_3$ crystal and structural parameters using theFP-LAPW method	20th Symposium of Crystallography and Mineralogy of Iran
138	Investigation of structural parameters of InAs in zincblende and wurtzite phase using density functional theory	20th Symposium of Crystallography and Mineralogy of Iran
139	Investigation of physical properties of AgBr by PDFT	20th Symposium of Crystallography and Mineralogy of Iran
140	Investigation of Structural Stability of InAs bulk and Nanowires by using pseudopotential method	11th Conference on Condensed Matter , Shahrood university thecnology,Aban 1391

141	Investigation of optical properties BeO in zincblende and wurtzite phase	11th Conference on Condensed Matter , Shahrood university thecnology,Aban 1391
142	Influence of dangling bonds on the stability and size of the energy gap of InAs nanowires using wurtzite phase Pseudopotential	First Iranian Conference on Nano Electronics In date 2012-11-01 untill 2012-11-02 by in Kermanshah
143	Principles and methods of civil defense in modern war defense	The fifth congress of the new defense, University of Imam Hussein,7-8November, 2012
144	Investigation phononic crystal structure as adsorbents	The fifth congress of the new defense, University of Imam Hussein,7-8November, 2012
145	Investigation of Structural Properties and influence of pressure increase on the Band Gap and Enthalpy of Strontium mono ferrite by GGA+U approximation	First National Electronic Conference on physical applications
146	Electronic and Structural properties of Silver Nano Chain Contacts on Graphene	Conference of nanocomputations(Feb.15, 2013)Pharmaceutical Sciences Branch,IAU
147	An investigation of structural and electronic properties of HgTe using pseudopotential method	Annual Physics Conference of Iran, Septamber2013
148	Investigation of dielectric functional, refraction index and extinction index on strontium mono ferrite by PBE, GGA+U, PBE0, MBJ approximation	The 3th Iranian Conference On Optics and Laser Engineerig (ICOLE2013)
149	An investigation of optical properties of mercury selenide by ab initio method	The 3th Iranian Conference On Optics and Laser Engineerig (ICOLE2013)
150	Calculation of negative refraction indix in there different 2D phononic crystals	3th International Conference On Acoustic and Vibration (ICOLE2013),ISAV2013, Theran-Iran ,4-5 Dey 1392
151	Structural and electronic properties of high pressure phases of HgTe: Using DFT	Computational Physics Conference 30 Dey to 2 Bhaman 92
152	Calculation of structural and compressibility properties TiO_2 in anatase phase	Computational Physics Conference 30 Dey to 2 Bhaman 92
153	Calculation of structural and electronic properties of HgSe in cinnabar phase	Computational Physics Conference 30 Dey to 2 Bhaman 92
154	Investigation of structural and electronic properties of GaP in Zincblend ,Cinnabar and cmcm phases by using pseudopotential method	Computational Physics Conference 30 Dey to 2 Bhaman 92
155	Investigation of electronic structure of HgSe diference phases	6th NationalConference On Physics Of Payame noorUniversity
156	Calculation of electronic and band structure properties of LiOH by FP-LAPW method	6th NationalConference On Physics Of Payame noorUniversity
157	Investigation of structure properties of InSb in Bulk and surface(110)	6th NationalConference On Physics Of Payame noorUniversity
158	Investigation of structure, electronic,elastic and thermodynamics AlSb compound by First principles	6th NationalConference On Physics Of Payame noorUniversity
159	An investigation of electronic and phonon properties of HgTe in ZincBlend phase using pseudopotential method	6th NationalConference On Physics Of Payame noorUniversity
160	An investigation of electronic, structure and Optical properties of HgTe in Hexagonalphase	6th NationalConference On Physics Of Payame noorUniversity
161	Ab-initio investigation of structural, electronic and optical properties of GaP in cinnabar phase	6th NationalConference On Physics Of Payame noorUniversity
162	Investigation of electronic, phonon and thermodynamic properties of GaP, by using pseudopotential method	6th NationalConference On Physics Of Payame noorUniversity
163	An investigation and calculation of the electron density Hook atoms using the DFT	6th NationalConference On Physics Of Payame noorUniversity
164	Investigation and theoretical calculation ac	6th NationalConference On Physics Of Payame noorUniversity

	susceptibility in Granular superconductors	
165	Investigation structure such as band structure and constant lattice BiB2 by DFT	6th NationalConference On Physics Of Payame noorUniversity
166	Investigation and theoretical calculation ac susceptibility in Granular superconductors	19 th Annual IASBS meeting on Condensed Matter Phyiscs and School on Recent Advances in Nanophysics(29-31 May 2013) 8-10 Khordad 1392,Physics Department, IASBS, Zanjan
167	Simulation Graphens Sheet s and their failure behavior threshold	Annual Physics Conference of Iran, Septamber2014
168	Investigation of Structural and electronic properties of GaSb (110) nano slabs using PDFT	Annual Physics Conference of Iran, Septamber2014
169	Ab-initio study of the optical properties of tungsten disulfide compound	12th Conference on Condensed Matter , 28-29January 2015, Isfahan University of Technology
170	The effect of spin-orbit coupling on structural, electronic and phononic properties of GaBi compound	12th Conference on Condensed Matter , 28-29January 2015, Isfahan University of Technology
171	Investigation of non-Linear equation of Graphen elastic properties	12th Conference on Condensed Matter , 28-29January 2015, Isfahan University of Technology
172	A study of optical properties of calcium carbonate compound in hexagonal and orthorhombic phases	21th Iranian Conference on optic and photonic , 7th Iranian Conference on photonic engineering University of shahid Beheshti
173	An investigation of structural and electronic properties of Calcium Carbonate compound: A first principles study	12th Conference on Condensed Matter, 28-29January 2015, Isfahan University of Technology
174	Theoretical calculation of band structure of LiBC superconductor	22th Symposium of Crystallography and Mineralogy of Iran
175	Investigation of crystal structure and electronic properties of HgSe phases	22th Symposium of Crystallography and Mineralogy of Iran
176	Ab-initio study of the structural, electronic, phonon and thermal properties of tungsten disulfide compoun	22th Symposium of Crystallography and Mineralogy of Iran
177	Fully relativistic of thermodynamic properties ogGaBi semi-metal	22th Symposium of Crystallography and Mineralogy of Iran
178	An investigation of structural, electronic and optical properties of Calcium Carbonate compound(vaterite): A first principles study	22th Symposium of Crystallography and Mineralogy of Iran
179	Phonon two-dimensional crystals used in the prevention of earthquake	National-e Conference on Advances in basic Sciences and Engineering
180	Electronic and Structural properties of Silver Nano Chain Contacts on Graphene	National Conference on nanostructure and graphene
181	Investigation of the effect of symetry on band structure and negativ in phononi c crystal	1th Conference nanoPhysics and Metamaterial,University fassa,Mehr 94
182	Ab initio electrical, ,structure and magnetic properties of compound KP in diferent phase	1th Conference nanoPhysics and Metamaterial,University fassa,Mehr 94
183	Calculation the electronic structure$KNbO_3$ in cubic phase by usingFull Potential-Linearized augmented plan wave method	The Conference of Many-Body systems (Bulk and Nano-Scale)12Novamber2015
184	First principle study of structural and electronic properties of Na_2S at hexagonal phase	The Conference of Many-Body systems (Bulk and Nano-Scale)12Novamber2015
185	Examination of structural, electronic and phononicproperties of InN at hexagonal phase	The Conference of Many-Body systems (Bulk and Nano-Scale)12Novamber2015
186	First principle study of half-metallic ferromagnetism in KP compound with rock-salt, zinc-blende and wurtzite structures	The Conference of Many-Body systems (Bulk and Nano-Scale)12Novamber2015
187	Investigation of the effect of doping chromium on the electronic,magnetic and optical properties of SiC,GeS andSnC semiconductor	Annual Physics Conference of Iran, August2015

188	Investigation of optical properties of Na_2S in hexagonal phase	Iranian Computational physics conference20-21 January2016
189	First principle study of structural and electronic properties of Berylium Sulphide at ZnS phase	Iranian Computational physics conference20-21 January2016
190	Investigation of the optical properties InN in ZB phase	Iranian Computational physics conference20-21 January2016
191	Investigation of structural and electroni properties of *FeAl* using pseudo potential method	National Conference on physics and Its Applicationsy
192	Investigation of structural and magnatic properties of the antiperovskite $SiCFe_3$ compound	1th National Conference of physics ,Islamic Azad University,20-21July 2016
193	Electronic and structure properties of Heusler compounds (Co_2CrAl and Co_2CrGa)	1th National Conference of physics ,Islamic Azad University,20-21July 2016
194	A Comparison of the Structuraland Electronic properties of bulk TiC	1th National Conference of physics ,Islamic Azad University,20-21July 2016
195	Numerical calculation of channeling radiation spectrum from relativistic electrons in C, Si, Ge and W crystals	Iranian Conference on Mathematical Physics
196	Calculation of density of states and energy band of InP nanowires by using pseudo-potential	2th Conference nanoPhysics and Metamaterial,University fassa,Mehr 95
197	Investigation the structural and electron properties of $CuSbSe_2$ compound using DFT	2th Conference nanoPhysics and Metamaterial,University fassa,Mehr 95
198	Investigation of Structural and Electronic Properties of Antiperovskite $InCTi_3$	24th Symposium of Crystallography and Mineralogy of Iran
199	Investigation Of production processes using positron emission caused by the motion of electrons in crystals of diamond cubic channel	23th Iranian NuclearConference
200	Investigationof Thermodynamic Properties of Two Dimensional Correlated FermionicSystem Developing a Variational Methodand Considering the Relativistic form of Energywith Application to Liquid ^3He	Annual Physics Conference of Iran, August2017
201	Investigation of band structure and *dielectric function* of HgTe using density functional theory	IranianConferenceonMathematicalPhysics
202	Investigation of band structure and density of state of UY_2(Y=Ga,Ge) using pseudo-potential	The 3rd National Conference Materials Engineering , Chemical Engineering and ,Industriay safety
203	Investigation of density of state and charge distrubation of Sr_2NiWO_6 byFP-LAPW method	The 3rd National Conference Materials Engineering , Chemical Engineering and Industriay safety
204	Investigation of band structure and *and dielectric function* of HgTe using density functional theory	Iranian Conference on Mathematical Physics,28Desamber2017
205	Different phase structures of cylindrical particles in narrow pores	3rd Iranian Computational physics conference 31Jan-1Feb2018,Shahid Beheshti University
206	Layering transition of rectangular hard rods in slit-like pores	3rd Iranian Computational physics conference 31Jan-1Feb2018,Shahid Beheshti University
207	Investigation of the Optic properties of Sr_2NiWO_6 using Density Functional Theory	24th Iranian Conference on optic and photonic , 10th Iranian Conference on photonic engineering ,Shahrekord University i
208	*Investigation of* structural properties and density of states of the cubic phase of Sr_2NiWO_6	21st ICS Physical Chemistry Conference
209	Calculation of structural and electronic properties of HgSe in cinnabar phase	25th Symposium of Crystallography and Mineralogy of Iran
210	Ab initio study of structural parameters and charge density of compounds UY_2(Y=Ga,Ge)	25th Symposium of Crystallography and Mineralogy of Iran
211	Calculation of band structure and density of state of the$Sr_2NiWO_6$by FP-LAPW method	25th Symposium of Crystallography and Mineralogy of Iran
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213		
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➢ Courses Taught

✓ Bachelor's

, Basic Physics I**,** General Physics Physics-I Lab ,Basic Physics II ,Physics-II Lab , , Quantum Physics (I), Theory of Electromagnetism (II) ,Theory of Electromagnetism (I) Nuclear Physics ,Mathematical Physics2 , 1, Mathematical Physics Quantum Physics (II), Relativity **,**Physics of Semiconductor Devices, Lab,
Basic Physics for Engineers,Project

✓ Master's

Mathematical Physics3 ,Advanced Quantum MechanicsI ,Advanced Quantum MechanicsII ,, Computational Physics,, Special Topics in Condensed Matter Physics, Seminar

✓ PhD:

Condensed Matter Physics I,Condensed Matter PhysicsII
Many Body Systems, Seminar (For Ph.D)
. Special Topics in Condensed Matter Physics

➢ Graduate Thesis Supervisor

No	Title of thesis	student	Date of Completion
1	Theoretical calculation of energy band structure , electronic structure,density of states and density of electronic states ofMgB_2	Ali Ahamadi	June , 2006
2	Determinate the electronic and dielectric structure of TiB_2 by using density functional theory	Hoda Ghavaminya	June , 2006
3	Calculation of electronic structure and band structure of LiBC	Aziz Kargarzadeh	September 2006
4	Calculation of electronic structure and band structure of $LaCrO_3$ crystalby using DFT	Somaieh Hosseini	February, 2008
5	Calculation of electronic structure and band structure ofZnS by using $FP-LAPW$ method	Poriya Arzani	September 2009
6	Study of electronic properties and band structure energy of Magnesium Selenium(MgSe) by DFT	Hassan Nazari	September 2009
7	Calculation the band structure and distribution charge of Tin dioxide ceramics by using one electron aproximation	Mahrokh. Aryadoust	September 2009
8	Electronic properties and energy band structure of Yttrium oxide(Y_2O_3)using First principles	Hojat Allah Badehian	September 2009
9	Investigation of band structure of PtN compound by using FP-LAPW method	Maryam Zarei	February 2009
10	Calculation of electronic properties and band structure of Ti_2InC using the pseudopotential method	Mohamad Einhesari	September 2010
11	Investigation of electronic and dynamic properties of InP with pseudopotential method	Hosein Tolabi Nejad	September 2010
12	Calculation of structure properties and structural $CdCl_2$using DFT	Zhrah Ghasemi	January 2011
13	An investigation of electronic properties and band	Nastran Asareh	January 2011

	structure of $CdBr_2$ using ab initio method		
14	Calculation of electronic and structural properties og $LaGaO_3$ using DFT	Fatehemeh sadat Hejaz	March 2012
15	An investigation of electronic and structural properties of SrS using pseudopotential method	Bahaareh tavakoli Nejad	July 2011
16	The calculation of electronic and structure properties of HgSe using Abiniti metheod	Firozeh Anis hoseini	July 2011
17	An investigation of electronic and structural properties of armchair (7,7)CNT using FP-LAPW method	Khadijeh Gharbavi	July 2012
18	Structural, Electrical and Optical Properties of ZnO using FP-LAPW method	Azam Soltani Mohammadi	Jan2011
19	Investigation of magnetic and structural propertice of Mono Ferrite Strontium using density functional theory	Zohre Javdani	March 2013
20	Difference study of structure and electronic properties of InAs in bulk and nano forms	soghra bahrami dehtooti	March 2013
21	Investigation of structural and electronicproperties of LiOH	Seyed Sadegh Mousavi	June 2013
22	An Computational Investigation of Physical Properties of Mercury Telluride Using Pesudopotantial Method	Zeinab Izadi	February 2014
23	An investigation of physical properties of Gallium Phosphide using density-functional Pertubation theory	Shiva Mokhavat	February 2014
24	The effect of symmetry on negative refraction in the 2D Phononic crystals	Ferdose Shojaienezhad	February 2014
25	An investigation of entanglement using the density-functional theory	Maedeh Gharibnaseri	February 2014
26	Investigation of band structure of phononic crystals with 2-D spiral and 3-D trigona lattices **(Ph.D)**	Mahrokh Aryadoust	November 2014
27	Ab initio investigation of electronic and structural properties of nanosurface of III-V compounds containing Arsenic and Antimony**(Ph.D)**	Hojat Allah Badehian	October 2014
28	An investigation of electronic, structural , optical and thermoelectric properties of some of $CuSbX_2 (X = Se, S, Te)$ compounds in bulk and surface state using the first principal**(Ph.D)**	Rohollah Zare Hasanabad	May 15, 2017
29	Investigation of structural , electronic and optical properties of $AgGaX_2$(X=S,Se,Te) in bulk and its nanolayers using density functional theory**.(Ph.D)**	Elham Gordanian	February 13, 2017
30	Ab-initio study of contact effect of some noble metal nanostructures on graphene**(Ph.D)**	Mohammad Moaddeli	May 2016
31	Validation of the Wiedemann-Franz law in granular superconductors at near and far from the critical temperature**(Ph.D)**	Ahmad Yousefvand	July 2016
32	: study some physical properties of gallium-bismuth compound, by using density functional theory	Masoud Alavi	October 2014
33	An investigation of physical properties of Tungsten disulfide using first principles	Nasim Zhulayi Bakhoda	January2015
34	Ab initio investigation of optical, structural and electronic properties of calcium carbonate	Amin Shanbedi	February 2015
35	Ab initio study of structural, electronic and optical properties of Na_2S	Amal Abdollahi	December 2015
36	An investigation of entanglement in two-electron atomic systems by using density functional theory	Norallah Binandeh	January 2016
37	Study of electronic and dynamic properties of the	Hamid Zakavi	December 2015

	compound FeAl using Pseudopotentials method	mhogadam	
38	Ab initio calculation of elasticity constants of BeX(BeS,BeSe,BeTe) compounds	Fatemeh Hashemi	June 2016
39	Half-metallic properties of bulk and nanolayers of KP compound: Ab-initio study	Marjan Kazemi	June 2016
40	The effect of symmetry on negative refraction in the 2D Phononic crystals	Azadeh Gholampoor	-
41	Investigation of structural, electronic and optical properties of InN by pseudopotentioalmethod	Nadia navaser	December 2015
42	Calculation of structural, electronic,optic and elastic properties of Co_2CrZ(Z=Al,Ga) Heusler compound using FP-LAPW	Marzieh Halvaee	November 2016
43	A comparison of the structural and electronic properties of the bulk and nanostructure TiC	Yasamin LoveimiMotlagh	November 2016
44	ab initio study ofstructural,electronic and thermoelectric properties of antip erovskite $SiCFe_3$ compound	hassan jandali	October 2016
45	An investigation of behavior difference in $UY_2(Y = Ga, Ge)$ compositions by using DFT	Fatemeh asadi	
46	An investigation of structural, electronic and optical properties ofSr_2NiWO_6 double perovskite by FP-LAPW method	Razieh Mirsalari	
47	Abinitiostudy of structural, electronic and magnetic properties of bulk and nano-surface structures of Sn-based ternary topologicalinsulators**(Ph.D)**	Naser Ebrahimi	
48	Calculation of planar and axial channeling radiation of relativistic electrons on thick C, Si, Ge and W crystals**(Ph.D)**	Maryam Shafiee	
49			

➢ Graduate Thesis Advisor

No	Title of thesis	student	Date of Completion
1	Study of Hall effect in$Yba_2CU_3O_7$	Reza Mohammadi Eslami	August 2005
2	A Comparison of the solutions of the anharmonic osciliators	Tayebeh Tahamtan	August 2006
3	Intelligent states and their relations to the coherent and squeezed steats	Ali Nirobakhash	August 2009
4	study the possibility of simulations of supernovae	Amir Ghari	August 2009
5		Zahra Boshagh	August 2009
6	Preparation of TiO_2 / SnO_2 nano composite and investigation properties of hydrophilic properties	Saedeh Rezaieian	August 2009
7	Entanglement sudden death and its revived in spin chains	Mohammadreza Poorkarimi	January 2009
8	A study of the Quantum anharmonic oscillators **(Ph.D)**	Davood Afshar	July2008
9	A simulation of Solar turbulences with MHD equations	Amin Farhang	August 2010
10	Study and investigation of miniaturization in the chromatic aberration electroststic lenses	Elham Rihaii	August 2011
11	Synthesis and characterization of $BaTiO_3$	Azadeh Norozpoor	August 2014

	nanofibers electrospinning method		
12	Determination of Hubble parameter using supernova	Afroz Tamana	August 2014
13	An investigation of thermally-induced mismatching in CW SHG form KTP type-II within doule pass cavity	Fatemeh sedaghat Jalil abadi	September 2013
14	Study and investigation of the near extravagalactic powerful "CygnusA" radio source	Elham Nasiry manesh	August 2013
15	Distance determination with cepheid variable star in Open Cluster	Maryam Soleymani	September 2013
16	Simulation and comparisson of sputtering yields in ion and electron interaction with different nanolayers	Sara Zand	September 2013
17	A study of solar Coronal Mass Ejection(CME)	Nazanin Bigdeli	August 2017
18	Study on the laser radiation effect on optical properties of doped $In_xGa_{1-x}N/GaN$ quantum well	Reza Mirzavand	August 2016
19	Ab-initio study of noble metals nano chain adsorption on monolayer of hexagonal Born nitride(BN)	Amir Ghanbar nasb	
20	Band structure renormalization of noble metal nano-Chains phsisorbed on grapheme sheet investigated by many body perturbation theory	Rozbeh mahamodi	
21	A study and investigation of entanglement dynamics of bipartite nonorthogonal state	Mehdi Khan zadeh	

- **Executive and Managing Records**

  1: Manegment education affairs

  2: Journal Of Research On Many-Body system ,Director-in-Charge

  3: Shahid Chamran University Journal, Director-in-Charge

  4: Journal of Advanced Mathematical modeling , Director-in-Charge,

- **Books**
- **Projects:-**
- **Inventions**
- **Membership in Academic Societies**

  Iranian Society of surface Science and Technology,
  Optics and Photonics Society of Iran
  Iranian Safety Science Assocation
  Iranian Society of Crystallography & Mineralogy
  Member of Scientific Committee of the 14th Symposium of Crystallography and Mineralogy of Iran
  Scientific Secretary, 1th National Conference on physics of payame noor university,Ahvaz
  executive Secretary, The 3rd scientific –applied conference of physics,9-10March ,2005 Shahid Chamran University of Ahvaz
  Scientific Peer Review, 12th Symposium of Crystallography and Mineralogy of Iran

Sabbatical Leaves---, **Links-----**