

List of Publications

Impact Factor Papers (182), (Impact Factor: 412.09)

1. "Magnetic and Magnetization Properties of CoFeB Nanowires", *Journal of Magnetism and Magnetic Materials*, 310 2007 e830
Sharif R, Zhang QX, Shamaila S, Riaz S, Jiang LX and Han XF **2.002**
2. "Effect of Reaction Temperature & Reaction Time on the Structural Properties of CIGS Thin Films Deposited by Sequential Elemental Layer Technique" *Journal of Materials Science and Technology*, 23 2007 499 **1.610**
Riaz S and Naseem S
3. "Barium Titanate Films for Electronic Applications: Structural and Dielectric Properties", *Surface Review and Letters*, 15 No. 3 (2008) 237. **0.515**
Riaz S, Khan B, Shamaila S, Naseem S
4. "Magnetic and Magnetization Properties of Electrodeposited fcc CoPt Nanowire Arrays", *Journal of Magnetism and Magnetic Materials (JMMM)*, 320 (2008) 1803 **2.002**
Shamaila S, Sharif R, Riaz S, Ma M, Khaleeq ur Rehman M and Han XF
5. "Lower Temperature Formation of Alumina Thin Films Through Sol-Gel Route", *Surface Review and Letters*, 15 No. 5 (2008) 681. **0.515**
Riaz S, Shamaila S, Khan B, Naseem S
6. "Fabrication and Magnetic Characterization of Co_xPt_{1-x} Nanowire Arrays", *Applied Physics A*, 92, (2008) 687. **1.884**
Shamaila S, Sharif R, Riaz S, Ma M, Khaleeq ur Rehman M and Han XF
7. "Effect of Oxygen Partial Pressure on the Properties of Reactively Evaporated Zinc Aluminate Thin Films", *International Journal of Material Research*, 2 (2009) 237. **0.862**
Riaz S and Naseem S
8. "Structural, Magnetic and Electrical Properties of Al³⁺ Substituted CuZn-Ferrites", *Chinese Journal of Chemical Physics*, 23 (2010) 591. **0.692**
Ramay SM, Siddiqi SA, Atiq S, Awan MS and Riaz S
9. "Room Temperature Magnetic Behavior of Sol-Gel- Synthesized Mn-Doped ZnO", *Chinese Journal of Chemical Physics*, 23 (2010) 469. **0.692**
Saleem M, Siddiqi SA, Atiq S, Anwar MS and Riaz S
10. "Pulsed laser deposition and characterization of multi-layer metal-carbon thin films", *Applied Surface Science*, 257 (2011) 6445-6450 **2.538**
Siraj K, Khaleeq-ur-Rehman M, Rafique MS, Munawar MZ, Riaz S and Naseem S
11. "Room Temperature Ferromagnetism in Sol-Gel deposited Un-doped ZnO Films", *Journal of Sol-Gel Science and Technology*, 59 (2011) 584-590 **1.660**
Riaz S, Naseem S and Xu YB
12. "Fission Fragments Tracked-Etched Proresin Borate Glass", *International Journal of Pharma and Bioscience*, 3 (2012) 368 - 374 **2.96**

Waheed A, Mitchell GR, Harris PJF, Farmer M, Watta A, Riaz S, Naseem S and Chakarvarti SK

13. "Surface passivation of Ti/4H-SiC Schottky barrier diode", *Communications in Theoretical Physics* 58, 577-582 (2012)
Khalid M, Riaz S and Naseem S **1.049**
14. "Enhanced infrared to visible upconversion emission in Er³⁺ doped phosphate glass: Role of silver nanoparticles", *Journal of Luminescence*, 132 (2012) 2714-2718
Amjad RJ, Sahar MR, Ghoshal SK, Dousti MR, Riaz S and Tahir BA **2.367**
15. "Optical Investigation of Sm³⁺ Doped Zinc- Lead-phosphate glass", *Chinese Physics Letters*, 29 (2012) 087304
Amjad RJ, Sahar MR, Ghoshal SK, Dousti MR, Riaz S and Tahir **0.924**
16. "Controlled nanostructuring of multiphase core-shell nanowires by a template-assisted electrodeposition approach" *Nanotechnology*, (2012) Vol.23(30)
Dawei S, Chen J, Riaz S, Zhou W and Han XF **3.979**
17. "Designing and Simulation of Optoelectronic Devices using SYNOPSIS TCAD", *Advanced Science Letters*, 19 (2013) 496
Azam M, Riaz S and Naseem S **1.253**
18. "Study of impact ionization in the 3D FinFET structure by varying channel doping concentration at higher temperature using SYNOPSIS TCAD", *Advanced Science Letters*, 19 (2013) 753
Bukhtiar A, Mustafa M. A., Umer M, Khalid M, Riaz S and Naseem S **1.253**
19. "Comparison study of impact ionization for FinFET and FD SOI device by using TCAD", *Advanced Science Letters*, 19 (2013) 780
Bukhtiar A, Mustafa M. A., Umer M, Khalid M, Riaz S and Naseem S **1.253**
20. "Structural, Electrical and Magnetic Properties of Iron Oxide Thin Films", *Advanced Science Letters*, 19 (2013) 828
Riaz S , Akbar A and Naseem S **1.253**
21. "Theoretical Investigation of Breakdown Voltage in Normally-On 4H-SiC VJFET", *Advanced Science Letters*, 19 (2013) 820
Khalid M, Riaz S and Naseem S **1.253**
22. "Optical Properties of CdTe Films Prepared by Centrifugal Coating Technique", *Advanced Science Letters*, 19 (2013) 866
Honey S, Bhatti MT, Riaz S and Naseem S **1.253**
23. "A Study of PVD Deposited FeO Thin Films for Magnetic Applications", *Advanced Science Letters*, 19 (2013) 785
Riaz S , Farooq S and Naseem S **1.253**
24. "Optical and Structural Properties of Evaporated Zn_xCd_{1-x}S (0≤x≤1) Thin Films", *Advanced Science Letters*, 19 (2013) 719
Riaz S , Sajid A, Jamil A and Naseem S **1.253**
25. "Structural and Optical Properties of Sol-Gel derived Zn_{1-x}Mn_xO Thin Films", *Advanced Science Letters*, 19 (2013) 789

Akhtar M.S, Hussain S, Riaz S and Naseem S **1.253**

26. "Optical and Structural Properties of ZnO Thin Films for Solar Cell Applications", *Advanced Science Letters*, 19 (2013) 834
Akhtar M.S, Noor R, Riaz S and Naseem S **1.253**
27. "Annealing Time Dependent Up-conversion Luminescence Enhancement in Magnesium-Tellurite Glass" *Journal of Luminescence*, 136, April 2013, 145 **2.367**
Amjad RA, Sahar MR, Ghosal SK, Dousti MR, Riaz S, Samavatia AR, Arifina R, Naseem S
28. "Plasmon enhanced upconversion fluorescence in Er³⁺:Ag phosphate Glass:Effect of heat treatment, *Chinese Physics Letters*, Vol. 30, No. 2 (2013) 027301 (2013) **0.924**
Amjad RA, Sahar MR, Ghosal SK, Dousti MR, S, Samavatia AR, Riaz S, Arifina R, Naseem S
29. "Spectroscopic investigation of rare-earth doped Phosphate glasses containing silver nanoparticles", *Acta Physica Polonica A*, 123 (2013) 7986 **0.604**
Amjad RA, Sahar MR, Ghosal SK, Dousti MR, Riaz S, Samavatia AR, Tahir BA.
30. "Preparation and Characterization of Crack-Free Sol-Gel Based SiO₂-TiO₂Hybrid Nanoparticle Film", *Journal of Sol-Gel Science and Technology*, 68 (2013) 162 **1.660**
Islam S, Rahman RA, Othaman Z, Riaz S, Saeed MA and Naseem S
31. "Structural and magnetic properties of FeCoNi thin films", *Indian Journal of Physics*, 88, 2014, 165 **1.785**
Kayani ZN, Riaz S and Naseem S
32. "Structural and magnetic properties of thin films of iron nitride", *Sur. Rev. Lett.*, 21, 2014, 1450013 **0.300**
Kayani ZN, Riaz S and Naseem S
33. "Optical and structural properties of thin films of ZnO at elevated temperature", *Journal of Alloys and Compounds*, 606, 2014, 177 **2.999**
Kayani ZN, Afzal T, Riaz S and Naseem S
34. "Microbiological influenced corrosion attack by Bacillus Megaterium bacteria on Al-Cu alloy", *Materials Technology: Advanced Performance Materials*, 29, 2014, 269 **0.593**
Deen KM, Yousaf M, Afzal N, Riaz S, Naseem S, Farooq A and Ghauri IM.
35. "Enhanced magnetic properties of Ca doped BiFeO₃ thin films by sol-gel method", *Indian Journal of Physics*, 88, 2014, 1037 **1.785**
Riaz S, Majid F, Shah SMH and Naseem S
36. "Growth and characterization of iron oxide nano-crystalline thin films via sol-gel dip coating method", *IEEE Transactions on Magnetics*, 50, 2014, 2200304 **1.422**
Kayani ZN, Khan ES, Saleemi F, Riaz S and Naseem S
37. "Synthesis of iron oxide nanoparticles by sol-gel technique and their characterization", *IEEE Transactions on Magnetics*, 50, 2014, 2200404 **1.422**
Kayani ZN, Arshad S, Riaz S and Naseem S
38. "Ferromagnetic effects in Cr-doped Fe₂O₃ thin films", *IEEE Transactions on Magnetics*, 50, 2014, 2200704 **1.422**

Riaz S, Akbar A and Naseem S

39. "Effect of $\text{Fe}^{3+}/\text{Fe}^{2+}$ ratio on superparamagnetic behaviour of spin coated iron oxide thin films", IEEE Transactions on Magnetics, 50, 2014, 2200804 **1.422**
Akbar A, Riaz S, Bashir M and Naseem S
40. "Effect of solvents on the ferromagnetic behaviour of undoped BiFeO_3 prepared by sol-gel", IEEE Transactions on Magnetics, 50, 2014, 2200904 **1.422**
Shah SMH, Riaz S, Akbar A, Atiq S and Naseem S
41. "Magnetic, structural and dielectric properties of $\text{Bi}_{1-x}\text{K}_x\text{FeO}_3$ thin films using sol-gel method", IEEE Transactions on Magnetics, 50, 2014, 2201004 **1.422**
Shah SMH, Akbar A, Riaz S, Atiq S and Naseem S
42. "Magnetic properties of Fe_3O_4 stabilized zirconia", IEEE Transactions on Magnetics, 50, 2014, 2201104 **1.422**
Bashir M, Riaz S and Naseem S
43. "Magnetic and magnetization properties of Co-doped Fe_2O_3 thin films", IEEE Transactions on Magnetics, 50, 2014, 2201204 **1.422**
Akbar A, Riaz S, Ashraf R and Naseem S
44. "Effect of Bi/Fe ratio on the structural and magnetic properties of BiFeO_3 thin films by sol-gel", IEEE Transactions on Magnetics, 50, 2014, 2201304 **1.422**
Riaz S, Shah SMH, Akbar A, Kayani ZN and Naseem S
45. "Magnetic and magnetization properties of iron aluminium oxide thin films prepared by sol-gel", IEEE Transactions on Magnetics, 50, 2014, 2201404 **1.422**
Riaz S, Azam M, Ashraf R and Naseem S
46. "Microwave assisted iron oxide nanoparticles – structural and magnetic properties", IEEE Transactions on Magnetics, 50, 2014, 2201504 **1.422**
Riaz S, Ashraf R, Akbar A and Naseem S
47. "Controlled nanostructuring of multiphase core-shell iron oxide nanoparticles", IEEE Transactions on Magnetics, 50, 2014, 2300204 **1.422**
Riaz S, Akbar A and Naseem S
48. "Free growth of iron oxide nanostructures by sol-gel spin coating technique – structural and magnetic properties", IEEE Transactions on Magnetics, 50, 2014, 2301805 **1.422**
Riaz S, Ashraf R, Akbar A and Naseem S
49. "Structural, optical and magnetic properties of cobalt doped dip coated ZnO films", IEEE Transactions on Magnetics, 50, 2014, 2401104 **1.422**
Kayani ZN, Afzal A, Saleemi F, Riaz S and Naseem S
50. "Structural and magnetic properties of Mn/Fe co-doped ZnO thin films prepared by sol-gel technique", IEEE Transactions on Magnetics, 50, 2014, 2401204 **1.422**
Ashraf R, Riaz S, Bashir M, Khan U and Naseem S
51. "Novel method to synthesize highly conducting polyanalyne-nickle sulphide nanocomposite films and the study of their structural, magnetic and electrical properties", IEEE Transactions on Magnetics, 50, 2014, 2900204 **1.422**
Batool A, Kanwal F, Abbas A, Riaz S and Naseem S

52. "Iron oxide nanoparticles prepared by modified co-precipitation method", IEEE Transactions on Magnetics, 50, 2014, 4003304 **1.422**
Riaz S, Bashir M and Naseem S
53. "Synthesis and characterization of hybrid matrix with encapsulated organic sensing dyes for pH sensing application", Journal of Industrial and Engineering Chemistry, 20, 2014, 4408 **3.512**
Islam S, Rahman R, Othaman Z, Riaz S and Naseem S
54. "Structural and magnetic properties of the thin film of cobalt nitride", Surf. Rev. Lett., 21, 2014, 1450081 **0.300**
Kayani ZN, Riaz S and Naseem S
55. "Effect of Cu-Doped Nickel Ferrites on Structural, Magnetic, and Dielectric Properties" IEEE Transactions on Magnetics, 50, 2014, 2200504 **1.422**
Anjum S, Rashid A, Bashir F, Riaz S, Pervaiz M, Zia R
56. "Structural and magnetic studies on Zr doped ZnO diluted magnetic semiconductor" Current Applied Physics, 14, 2014, 176 **2.212**
Murtaza G, Ahmad R, Rashid MS, Hassan M, Hussnain A, Khan MA, Ul Haq ME, Shafique MA, Riaz S,
- 2015**
57. "Characterization of copper oxide nanoparticles fabricated by the sol-gel method", Journal of Electronic Materials, 44, OCT 2015, 3704 **1.798**
Kayani ZN, Umer M, Riaz S and Naseem S
58. "Effects of pH on the crystallographic structure and magnetic properties of electro-deposited Co nano-wires", J. Magn. Mater., 377, March 2015, 215 **2.002**
Zafar N, Shamaila S, Sharif R, Wali H, Naseem S, Riaz S and Khaleeq-ur-Rahman M
59. "Dip coated nickel zinc oxide thin films: structural, optical and magnetic investigations", Superlattices and Microstructures, 77, 2015, 171 **2.097**
Kayani ZN, Kiran F, Riaz S, Zia R and Naseem S
60. "Optimising conditions for the growth of nanocrystalline ZnS thin films from acidic chemical baths", Materials Science in Semiconductor Processing, 30, FEB 2015, 292 **1.955**
Akhtar MS, Malik MA, Riaz S and Naseem S
61. "Structural, optical, magnetic and half-metallic studies of cobalt doped ZnS thin films deposited via chemical bath deposition", J. Mater. Chem. C, 3, 2015, 7228 **4.70**
Akhtar MS, Alghamdi YG, Malik MA, Khalil MRA, Riaz S and Naseem S
62. "Structural, optical and magnetic properties of manganese zinc oxide thin films prepared by sol-gel dip coating method", Superlattices and Microstructures, 82, JUN 2015, 472 **2.097**
Kayani ZN, Nazir F, Riaz S and Naseem S
63. "Structural and electromagnetic behavior evaluation of Nd-doped lithium-cobalt nanocrystals for recording media applications", Journal of Alloys and Compounds, 639, AUG 2015, 268 **2.999**
Gilani ZA, Warsi MF, Anjum MN, Shakir I, Naseem S, Riaz S, Khan MA
64. "Synthesis of stabilized zirconia hollow nanoparticles: sugar as a template", J. Sol-Gel Sci. Technol., 74, 2015, 275 **1.660**
Riaz S, Bashir M and Naseem S

65. "Fe₃O₄ stabilized zirconia: structural, mechanical and optical properties", J. Sol-Gel Sci. Technol., 74, 2015, 281 **1.660**
Bashir M, Riaz S and Naseem S
66. "Effects of organic additives on dental zirconia ceramics: structural and mechanical properties", J. Sol-Gel Sci. Technol., 74, 2015, 290 **1.660**
Bashir M, Riaz S, Kayani ZN and Naseem S
67. "Controlled nanostructuring of TiO₂ nanoparticles: a sol-gel approach", J. Sol-Gel. Sci. Technol., 74, 2015, 299 **1.660**
Riaz S and Naseem S
68. "Microwave-assisted sol-gel synthesis of BiFeO₃ nanoparticles", J. Sol-Gel Sci. Technol., 74, 2015, 310 **1.660**
Majid F, Riaz S and Naseem S
69. "Magnetic and magnetization properties of iron oxide thin films by microwave assisted sol-gel route", J. Sol-Gel Sci. Technol., 74, 2015, 320 **1.660**
Akbar A, Riaz S, Ashraf R and Naseem S
70. "Effect of Mn doping on structural, dielectric and magnetic properties of BiFeO₃ thin films", J. Sol-Gel Sci. Technol., 74, 2015, 329 **1.660**
Riaz S, Shah SMH, Akbar A, Atiq S and Naseem S
71. "Structural, magnetic and dielectric properties of spinel MgFe₂O₄ by sol-gel route", J. Sol-Gel Sci. Technol., 74, 2015, 340 **1.660**
Azam M, Riaz S, Akbar A and Naseem S
72. "Sol-gel synthesis and investigation of structural, electrical and magnetic properties of Pb doped La_{0.1}Bi_{0.9}FeO₃ multiferroics", J. Sol-Gel Sci. Technol., 74, MAY 2015, 352 **1.660**
Ghafoor I, Siddiqi SA, Atiq S, Riaz S and Naseem S
73. "Structural and dielectric properties of boron doped and un-doped mullite thin films", J. Sol-Gel Sci. Technol., 74, 2015, 368 **1.660**
Islam S, Rahman R, Riaz S, Naseem S and Ottoman Z
74. "Room temperature ferromagnetism and half metallicity in nickel doped ZnS: Experimental and DFT studies", Materials Chemistry and Physics, 160, JUN 2015, 440 **2.259**
Akhtar MS, Malik MA, Riaz S and Naseem S
75. "Nanocrystalline Zn_{1-x}Co_{0.5x}Ni_{0.5x}Fe₂O₄ ferrites: Fabrication via co-precipitation route with enhanced magnetic and electrical properties", J. Mag. Mater., 393, NOV 2015, 56 **2.002**
Hassan A, Khan MA, Shahid M, Asghar M, Shakir I, Naseem S, Riaz S and Warsi MF
76. "Chemical bath deposition of Fe-doped ZnS thin films: Investigations of their ferromagnetic and half-metallic properties", Materials Science in Semiconductor Processing, 39, NOV 2015, 283 **1.955**
Akhtar MS, Malik MA, Alghamdi YG, Ahmad KS, Riaz S and Naseem S
77. "Synthesis and characterization of multilayered sol-gel based plastic-clad fiber optic pH sensor", Journal of Industrial and Engineering Chemistry, 23, MAR 2015, 140 **3.512**
Islam S, Rahman RA, Othaman ZB, Riaz S and Naseem S

78. "Mesoporous SiO₂-TiO₂ nanocomposite For pH sensing", Sensors and Actuators B – Chemical, 221, DEC 2015, 993 **4.097**
Islam S, Bidin N, Riaz S, Rahman RA, Naseem S and Marsin FM
79. "Fabrication and properties of zinc oxide thin films prepared by sol-gel dip coating method", Mater. Sci.-Poland, 33, SEP 2015, 515 **0.507**
Kayani ZN, Iqbal N, Riaz S, Zia R and Naseem S
80. "Uptake and clearance analysis of technetium^{99m} labelled iron oxide nanoparticles in a rabbit brain", IET Nanobiotechnology, 9, JUN 2015, 136 **1.723**
Nadeem M, Ahmed M, Saeed MA, Shaari A, Riaz S, Naseem S and Rashid K
81. "Utilizing the anti-ferromagnetic functionality of a multiferroic shell to study exchange bias in hybrid core-shell nanostructures", Nanoscale, 7, JULY 2015, 13398 **7.760**
Ali SS, Li WJ, Javed K, Shi DW, Riaz S, Liu Y, Zhao YG, Zhai GJ and Han XF
82. "Synthesis and investigating the magnetic properties of magnetite nanocrystals for drug delivery", Mod. Phys. Lett. – B, 29, AUG 2015, 1550122 **0.746**
Ansar MZ, Atiq S, Riaz S, Naseem S, Ramay SM and Mahmood A
83. "Influence of cobalt doping on structural and magnetic properties of BiFeO₃ nanoparticles", Journal of Nanoparticle Research, 17, NOV 2015, 429 **2.184**
Khan U, Adeela N, Javed K, Riaz S, Ali H, Iqbal M, Han XF and Naseem S
84. "Enhanced exchange bias and improved ferromagnetic properties in permalloy-BiFe_{0.9}Co_{0.05}O₃ core-shell nanostructures", Scientific Reports, 5, DEC 2015, 18203 **5.578**
Javed K, Li W, Ali SS, Shi DW, Khan U, Riaz S and Han XF
85. "Effect of calcination on structural and magnetic properties of Co-doped ZnO nanostructures" IEEE Trans. Mag. 51 (11) NOV 2015, 2400804 **1.422**
Riaz S, Bashir M, Raza MA, Mahmood A and Naseem S
86. "Fabrication and temperature dependent magnetic properties of nickel nanowires embedded in alumina templates" Ceramics International, 41 (9), NOV 2015, 12081 **2.605**
Adeela N, Maaz K, Khan U, Karim S, Ahmad M, Iqbal M, Riaz S and Han XF, Maqbool M
87. "Investigation of Magnetic Anisotropy in Cobalt Chromium (CoCr_{0.5}Fe_{1.5}O₄) Spinel Ferrite Thin Films" Journal of Superconductivity and Novel magnetism, 28, OCT 2015, 3147 **0.909**
Anjum S, Salman A, Rafique MS, Zia R, Riaz S and Iqbal H
88. "Exchange bias in two-step artificially grown one-dimensional hybrid Co-BiFeO₃ core-shell nanostructures" Nanotechnology, 27, 4, 045708, Dec 2015 **3.573**
Ali SS, Li WJ, Javed K, Shi DW, Riaz S, GJ Zhai, Han XF

2016

89. "Magnetic response of hybrid ferromagnetic and antiferromagnetic core-shell nanostructures" Nanoscale, 8, 11, 6064-6070, March 2016 **7.760**
Khan U, Li WJ, Adeela N, Irfan M, Javed K, Wan CH, Riaz S, Han XF
90. "Deposition of porous titanium oxide thin films as anti-fogging and anti-reflecting medium" OPTIK, 127, 12, 5124-5127, Jan 2016 **0.769**
Kayani ZN, Saleem Z, Riaz S, Naseem S, Saleemi F

91. "Ion beam irradiation-induced nano-welding of Ag nanowires" *Micro & Nano Letters*, 11, 1, 34-37, JAN 2016 **0.853**
Shehla H, Ishaq A, Khan Y, Javaid I, Riaz S, Naseem S, Mazza M
92. "Crystal growth of antimony substituted cobalt ferrites thin films deposited by electron beam" *OPTIK*, 127, 20, 8487-8498, October, 2016 **0.769**
Anjuma S, Shabab A, Rafique S, Zia R, Riaz S, Hameed S, Riaz M
93. "Sol-gel-based single and multilayer nanoparticle thin films on low-temperature substrate poly-methyl methacrylate for optical applications", *Journal of Sol-Gel Science and Technology*, 77, 2, 396-403, FEB 2016 **1.550**
Islam S, Bidin N, Haider Z, Riaz S, Naseem S, Saeed MA, Marsin FM
94. "Sol-gel based fiber optic pH nanosensor: Structural and sensing properties", *Sensors and Actuators A-Physical*, 238, 8-18, FEB 2016 **2.201**
Islam S, Bidin N, Haider Z, Riaz S, Naseem S, Saeed MA, Marsin FM
95. "Sol-gel based phenolphthalein encapsulated heterogeneous silica-titania optochemical pH nanosensor" *Journal of Industrial and Engineering Chemistry*, 34, 258-268, FEB 2016 **4.179**
Islam S, Bidin N, Riaz S, Naseem S
96. "Structural, optical and magnetic properties of aluminum doped MnZnO films deposited by dip coating", *Journal of Alloys and Compounds*, 662, 489-496, MAR 2016 **3.014**
Kayani ZN, Munir A, Riaz S, Naseem S
97. "Correlation between structural and optical properties of surfactant assisted sol-gel based mesoporous SiO₂-TiO₂ hybrid nanoparticles for pH sensing/optochemical sensor", *Sensors and Actuators B-Chemical*, 225, 66-73, MAR 2016 **4.758**
Islam S, Bidin N, Riaz S, Naseem S, Marsin FM
98. "Response of iron oxide on hetero-nanostructures of soft and hard ferrites", *Superlattices and Microstructures*, 92, 374-379, APR 2016 **2.117**
Khan, U, Adeela N, Wan CH, Irfan M, Naseem S, Riaz S, M Iqbal, Han XF
99. "Temperature-Dependent Magnetic Response of Antiferromagnetic Doping in Cobalt Ferrite Nanostructures" *Nanomaterials*, 6, 4, Article Number: 73, APR 2016
Nairan A, Khan M, Khan U, Iqbal M, Riaz S, Naseem S **2.690**
100. "Size- and Shape-Dependent Antibacterial Studies of Silver Nanoparticles Synthesized by Wet Chemical Routes" *Nanomaterials*, 6, 4, Article Number: 74, APR 2016 **2.690**
Raza MA, Kanwal Z, Rauf A, Sabri AN, Riaz S, Naseem S
101. "Gold Nanoparticles: An Efficient Antimicrobial Agent against Enteric Bacterial Human Pathogen", *Nanomaterials*, 6, 4, Article Number: 71, APR 2016
Shamaila S, Zafar N, Riaz S, Sharif R, Nazir J, Naseem S **2.690**
102. "Structural and Magnetic Properties of Chemically Synthesized Pd-Modified NiFe₂O₄ Nanoparticles", *Chinese Journal of Chemical Physics*, 29, 2, 245-248, APR 2016
Atiq S, Ramay SM, Mahmood A, Riaz S, Naseem S **0.496**
103. "Multilayer crack-free hybrid coatings for functional devices", *Journal of Nanophotonics*, 10, 2, Article Number: 026026, June 2016
Islam S, Bidin N, Riaz S, Naseem S, Sanagi MM, Imran M **1.488**

104. "Correlation between particle size and magnetic characteristics of Mn-substituted $ZnFe_2O_4$ Ferrites", Superlattices and Microstructures, 93, 50-56, MAY 2016 **2.117**
Zawar S, Atiq S, Riaz S, Naseem S
105. "Magnetic Properties of Polyvinyl Alcohol and Doxorubicine Loaded Iron Oxide Nanoparticles for Anticancer Drug Delivery Applications", PLOS ONE, 11, 6, Article Number: e0158084, JUN 2016 **3.234**
Nadeem M, Ahmad M, Akhtar MS, Shaari A, Riaz S, Naseem S, Masood M, Saeed MA
106. "Role of Zn substitution on structural, magnetic and dielectric properties of Cu-Cr spinel ferrites", Indian Journal of Physics, 90, 8, 869-880, AUG 2016
Anjum S, Nazli H, Khurram R, Zeeshan T, Riaz S, Usman A **1.166**
107. "Magneto-electric characteristics in (Mn, Cu) co-doped $BiFeO_3$ Multiferroic Nanoparticles", Journal of Materials Science-Materials in Electronics, 27, 9, 8966-8972, SEP 2016 **2.019**
Khalid A, Atiq S, Ramay SM, Mahmood A, Mustafa GM, Riaz S, Naseem S
108. "Carriers Mediated Magnetic and Impedance Spectroscopic Analysis of Sol-Gel Synthesized $Zn_{0.95-x}Mn_{(x)}Fe_{0.05}O$ DMSs", Journal of Sol-Gel Science and Technology, 79, 3, 535-542, SEP 2016 **1.550**
Shafiq MS, Furqan M, Atiq S, Ramay SM, Saleem M, Riaz S, Naseem S
109. "Sol-gel based optically active phenolphthalein encapsulated nanomatrices for sensing application", Journal of Sol-Gel Science and Technology, 79, 3, 616-627, SEP 2016 **1.550**
Islam S, Bidin N, Riaz S, Krishnan G, Daud S, Naseem S, Marsin FM
110. "Enhanced Microwave Absorption Properties of CTAB Assisted Pr-Cu Substituted Nanomaterial" Journal of Magnetism and Magnetic Materials, 414, 198-203, SEP 2016 **2.357**
Sadiq I, Naseem S, Riaz S, Khan HM, Ashiq MN, Hussain SS, Rana MZ
111. "Structural, Optical, and Dielectric Properties of Aluminum Oxide Nanofibers Synthesized by a Lower-Temperature Sol-Gel Approach", Journal of Electronic Materials, 45, 10, 5185-5197, OCT 2016
Riaz S, Sajid-Ur-Rehman, Abutalib M, Naseem S **1.579**
112. "Mesoporous nanocomposite coatings for photonic devices: sol-gel approach", APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, 122, 10, Article Number: 935, 1-8, OCT 2016 **1.444**
Islam S, Bidin N, Riaz S, Suan LP, Naseem S, Sanagi MM
113. "Fabrication and Characterization of $Ni_{1+x}Zr_xFe_{2-2x}O_4$ Nanoparticles for Potential Applications in High Frequency devices", Ceramics International, 42, 14, 16359-16363, NOV 1 2016 **2.758**
Dilshad M, Nazim S, Warsi MF, Shahid M, Naseem S, Riaz S, Shakir I, Haider S, Khan MA
114. "Magnetic and Dielectric Investigations of Mn-Doped Ba Hexaferrite Nanoparticles by Hydrothermal Approach", Journal of Electronic Materials, 45, 11, 5853-5859, NOV 2016 **1.491**
Adeela N, Khan U, Iqbal, M, Riaz S, Ali H, Maaz K, Naseem S
115. "Structural and magnetic response of Mn substituted Co-2 Y-type barium hexaferrites", Journal of Alloys and Compounds, 686, 1017-1024, NOV 2016
Adeela N, Khan U, Iqbal M, Riaz S, Irfan M, Ali H, Javaid K, Bukhtiar I, Maaz K, Naseem S **3.014**

116. “Structural and Complex impedance spectroscopic studies of Mg- substituted CoFe_2O_4 ” Ceramics International, 42, 16, 18271-18282, DEC 2016 **2.758**
Zahoor A, Atiq S, Abbas S, Kumail S, Ramay SM, Riaz S, Naseem S

2017

117. “Effect of Aluminum Doping Concentration on Optical, Magnetic and Microstructural properties of MnZnO thin films”, Optik-International Journal for Light and Electron Optics, 144, 172-179, 2017 **0.835**

ZN Kayani, T Kausar, S Riaz, S Naseem

118. “Substituted Mg–Co-nanoferrite: recyclable magnetic photocatalyst for the reduction of methylene blue and degradation of toxic dyes”, Journal of Materials Science: Materials in Electronics 28 (2), 2250-2256, Jan-2017 **2.019**

H Assi, S Atiq, SM Rammay, NS Alzayed, M Saleem, S Riaz, S Naseem

119. “Synthesis and characterization of Ni NPs-doped silica -titania nanocomposites: Structural, optical and photocatalytic properties”, Applied Physics A – Materials Science and Process, 123(1), 67, JAN 2017 **1.455**

S Islam, N Bidin, SS Osman, G Krishnan, AA Salim, S Riaz, LP Suan, S Naseem, MM

120. “Low temperature sol-gel based erbium doped mullite nanoparticles: Structural and optical properties”, Journal of the Taiwan Institute of Chemical Engineers 70, 366-373, Jan 2017 **4.217**

S Islam, N Bidin, S Riaz, S Naseem, MM Sanag

121. “Synthesis and characterization of room temperature sol–gel-assisted transparent tin-doped magnesium oxide nanoparticles’ protective coating” Journal of Sol-Gel Science and Technology, 81 (2), 623-631, Feb-2017 **1.575**

S Islam, N Bidin, MA Saeed, S Riaz, MAA Bakar, S Naseem, KN Abbas, MM Sanagi

122. “Fabrication, Morphology, Structural and Magnetic Properties of electrodeposited Fe_3Pt Nanowires and nanotubes” Journal of Magnetism and Magnetic Materials, 424, 410-415, Feb-2017 **2.630**

U Khan, N Adeela, W Li, M Irfan, K Javed, S Riaz, XF Ha

123. “Synthesis and investigation of structural, morphological, magnetic, dielectric and impedance spectroscopic characteristics of Ni-Zn ferrite nanoparticles” Ceramics International, 43 (2), 2486-2494, Feb-2017 **2.986**

S Atiq, M Majeed, A Ahmad, SK Abbas, M Saleem, S Riaz, S Naseem

124. “Structural and Magnetic Investigations of Cr Substituted NiFe_2O_4 Nanostructures”, Journal of Alloys and Compounds, 698, 228-233, Mar-2017 **3.133**

M Azam, N Adeela, U Khan, S Riaz, M Iqbal and S Naseem

125. “Structural and morphological properties of $\text{Zn}_{1-x}\text{Zr}_x\text{O}$ with room-temperature ferromagnetism and fabricated by using the co-precipitation technique”, Journal of the Korean Physical Society 70 (5), Mar-2017, 460-464 **0.467**

M Hassan, R Irfan, S Riaz, S Naseem, SS Hussain, G Murtaza

126. “Surfactant and template free synthesis of porous ZnS nanoparticles” Materials Chemistry and Physics, 189, 28-34, Mar-2017 **2.084**

MS Akhtar, S Riaz, RF Mehmood, KS Ahmad, Y Alghamdi, MA Malik, S Naseem

127. "Effect of Co doping on the Physical Properties of Co-doped ZnO nanoparticles", Journal of Materials Science: Materials in Electronics, 28 (8), 5953-5961, Apr-2017 **2.019**
ZN Kayani, I Shah, S Riaz, S Naseem
128. "Role of Ni²⁺ Ions in Magnetite Nano-particles Synthesized by Co-precipitation Method", Journal of Superconductivity and Novel Magnetism, 30 (5), 1177-1186, May 2017 **1.180**
S Anjum, H Saleem, K Rasheed, R Zia, S Riaz, A Usman
129. "Study of Nickel Nitride Thin Films Deposited by Sol-Gel Route", Transactions of the Indian Institute of Metals 70 (4), 1097-1101, May-2017 **0.533**
ZN Kayani, S Riaz, S Naseem
130. "Room temperature ferromagnetism in single-phase Zn_{1-x}Mn_xS diluted magnetic semiconductors fabricated by co-precipitation technique", Applied Physics A-Materials Science & Processing, 123 (5), 352, May-2017 **1.455**
M Hassan, S Younas, F Sher, SS Husain, S Riaz, S Naseem
131. "Characteristics of Al-doped ZnO:Ni Films grown on Glass by Sol-gel Dip coating technique" Journal of Saudi Chemical Society, 21(4), 425-433, May-2017 **2.887**
ZN Kayani, F Naz, S Riaz, S Naseem
132. "Thermally activated variations in conductivity and activation energy in SrMnO₃" Journal of Materials Science: Materials in Electronics, 28(10), 7171-7176, May- 2017 **2.019**
SK Abbas, S Atiq, S Riaz, S Naseem
133. "Effect of cobalt doping on crystallinity, stability, magnetic and optical properties of magnetic iron oxide nano-particles", Journal of Magnetism and Magnetic Materials, 432, JUN-2017, 198-207, **2.630**
S Anjum, R Tufail, K Rashid, R Zia, S Riaz
134. "Structural and dielectric study of nano-crystalline single phase Sn_{1-x}NiZ_xS₃ (x (Ni)= 0-10%) showing room temperature ferromagnetism", Progress in Natural Science: Materials International, 27(3), 303-310, JUN-2017 **2.038**
B Parveen, M Hassan, S Atiq, S Riaz, S Naseem, MA Toseef
135. "Structural, dielectric and ferromagnetic properties of nano-crystalline Co-doped SnS", Journal of Materials Science, 52(12), 7369-7381, Jun-2017 **2.599**
B. Parveen, M. Hassan, S. Atiq, S. Riaz, S. Naseem, S Zaman
136. "Fabrication and characterization of nanocrystalline Al, Co: ZnO thin films by a sol-gel dip coating", Optical and Quantum Electronics, 49 (6), 223, Jun-2017 **1.055**
ZN Kayani, R Ishaque, B Zulfikar, S Riaz, S Naseem
137. "Study of Structural, magnetic and microwave absorption properties of Dy-Mn substituted nanosized material in X-band frequency range", Journal of Alloys and Compounds, 715, 284-290, Aug-2017 **3.133**
I Sadiq, S Naseem, S Riaz, SS Hussain, HM Khan, MN Ashiq, M Rana
138. "Study of the Structural and Electronic Properties of FeO at the LDA and GGA Level", Chinese Journal of Physics, 55(4), 1135-1141, Aug-2017 **0.514**

- 139.** “Investigation of Stability and Magnetic Properties of Ni-and Co-Doped Iron Oxide Nanoparticles”, Journal of Superconductivity and Novel Magnetism, 30(8), 2291-2301, Aug-2017 **1.180**
S Anjum, R Tufail, H Saleem, R Zia, S Riaz
- 140.** “Effect of Zr substitution on Structural, morphological and Magnetic Properties of bismuth iron oxide phases”, Aug-2017, 26 (8), 087502, Aug-2017 **1.223**
A Asif, M Hassan, S Riaz, S Naseem, SS Hussain
- 141.** “Temperature Dependent Phase Formation, Surface Morphological and Magnetic Studies of Bismuth Iron Oxide Grown by Co-precipitation Method”, J Supercond Nov Magn, 30 (9), 2549-2554, Sep-2017 **1.180**
A Abid, M Hassan, SS Hussain, S Riaz, S Naseem
- 142.** Optical, magnetic and structural properties of Cr-doped ZnO Thin Films by Sol-gel dip-coating method” Materials Research Express, 4 (9), 096403, Sep-2017 **1.068**
ZN Kayani, M Siddiq, S Riaz, S Naseem
- 143.** “Self-Assembled Hierarchical Phenolphthalein Encapsulated Silica Nanoparticles: Structural, Optical and Sensing Response”, Sensors and Actuators A-Physical, 266, 111-121, Oct, 2017 **2.499**
S Islam, N Bidin, S Riaz, S Naseem
- 144.** “Influence of annealing temperature on the structural, optical, and magnetic properties of two-phase MnZnO_x (x= 1, 3) thin films grown by a sol-gel method”, Journal of the Australian Ceramic Society, 53(2), 863-874, Oct-2017 **0.744**
ZN Kayani, SS Naqvi, S Riaz, S Naseem, S Iram
- 145.** “Properties of NiZnO Thin Films with Different Amounts of Al Doping” Journal of Electronic Materials, 46(10), 5764-5772, OCT-2017 **1.579**
ZN Kayani, G Fatima, B Zulfiqar, S Riaz and S Naseem
- 146.** “Thermally Assisted Electro-Active Regions in SrMnO₃ Ceramics” Materials and Chemistry and Physics, 200, 128-135, Oct 2017 **2.084**
SK Abbas, S Atiq, S Riaz, SM Ramay, S Naseem
- 147.** “Structural, Magnetic, Dielectric and bonding Properties of BiMnO₃ grown by co-precipitation technique” Results in Physics, 7, 3190-3195, 2017 **0.946**
S Hanif, M Hassan, S Riaz, S Atiq, SS Hussain, S Naseem, G Murtaza
- 148.** Structural, Optical and Magnetic Properties of Nanocrystalline Co-Doped ZnO Thin Films Grown by Sol-Gel, Zeitschrift für Naturforschung A (A Journal of Physical Sciences) 73 (1), 13-21, 2017 **0.886**
ZN Kayani, I Shah, B Zulfiqar, S Riaz, S Naseem, A Sabah

- 149.** Photocatalytic, antibacterial, optical and magnetic properties of Fe-doped ZnO nano-particles prepared by sol-gel
ZN Kayani, E Abbas, Z Saddiqe, S Riaz, S Naseem
Materials Science in Semiconductor Processing 88, 109-119, 2018 **2.593**
- 150.** Synthesis of bone implant substitutes using organic additive based zirconia nanoparticles and their biodegradation study
M Bashir, S Riaz, ZN Kayani, S Naseem
Journal of the mechanical behavior of biomedical materials 88, 48-57, 2018 **3.239**
- 151.** Biological and optical properties of sol-gel derived ZnO using different percentages of silver contents
ZN Kayani, M Anwar, Z Saddiqe, S Riaz, S Naseem
Colloids and Surfaces B: Biointerfaces 171, 383-390, 2018 **3.997**
- 152.** Investigation of physical properties of SnS: Fe diluted magnetic semiconductor nanoparticles for spintronic applications
B Parveen, M Hassan, S Riaz, S Atiq, S Naseem, M Irfan, MF Iqbal
Journal of Magnetism and Magnetic Materials 460, 111-119, 2018 **3.046**
- 153.** CR incorporation in mesoporous silica matrix for fiber optic pH sensing
S Islam, H Bakhtiar, MSBA Aziz, MB Duralim, S Riaz, S Naseem, MDB Abdullah, SS Osman
Sensors and Actuators A: Physical, 280, 429-436, 2018 **2.311**
- 154.** BPB dye confined growth of surfactant-assisted mesostructured silica matrix fiber optic sensing tracers
S Islam, H Bakhtiar, Z Haider, S Riaz, S Naseem, K Chaudhary, LP Suan, SS Usman, MSBA Aziz
Journal of Saudi Chemical Society, online August, 2018 **2.456**
<https://doi.org/10.1016/j.jsocs.2018.07.005>
- 155.** Molarity Dependent Oscillatory Magnetic and Structural Behavior of Phase Pure BiFeO₃ Sol-Gel Thin Films
A Awan, M Nadeem, S Riaz, SS Hussain, F Majid, S Naseem **3.057**
Ceramics International, online August 2018, <https://doi.org/10.1016/j.ceramint.2018.08.069>
- 156.** Preparation and characterization of doubly substituted microwave absorbing material by sol-gel technique for super high frequency applications
I Sadiq, S Naseem, S Riaz, SS Hussain, MN Ashiq, M Rana
Progress in Natural Science: Materials International, online August 2018, **2.572**
<https://doi.org/10.1016/j.pnsc.2017.11.001>
- 157.** Electronic and Structural Properties of Phase-Pure Magnetite Thin Films: Effect of Preferred Orientation
M Imran, A Akbar, S Riaz, S Atiq, S Naseem
Journal of Electronic Materials, 1-12, 2018 **1.566**
- 158.** Effect of Ni-Mn ratio on structural, martensitic and magnetic properties of Ni-Mn-Co-Ti ferromagnetic shape memory alloys
N ul Hassan, IA Shah, M Jelani, M Naeem, S Riaz, S Naseem, F Xu, Zakaullah
Materials Research Express 5 (8), 086102, 2018 **1.151**

- 159.** Highly stable dielectric frequency response of chemically synthesized Mn-substituted ZnFe₂O₄
S Zawar, S Atiq, M Tabasum, S Riaz, S Naseem **2.456**
Journal of Saudi Chemical Society, online July, 2018 <https://doi.org/10.1016/j.jscs.2018.06.010>
- 160.** Effect of Cu doping on the structural, magnetic and optical properties of ZnO thin films
ZN Kayani, S Iram, R Rafi, S Riaz, S Naseem
Applied Physics A 124 (7), 468, 2018 **1.604**
- 161.** Surface functionality and optical properties impact of phenol red dye on mesoporous silica matrix for fiber optic pH sensing
S Islam, H Bakhtiar, S Naseem, MSBA Aziz, N Bidin, S Riaz, J Ali
Sensors and Actuators A: Physical 276, 267-277, 2018 **2.311**
- 162.** Room temperature stabilized TiO₂ doped ZrO₂ thin films for teeth coatings—A sol-gel approach
SB Bukhari, M Imran, M Bashir, S Riaz, S Naseem **3.779**
Journal of Alloys and Compounds, Volume 767, 30 October 2018, Pages 1238-1252
- 163.** Oscillatory Giant Magnetoresistance of Electrodeposited Fe/Cu/Ni Multilayered Structures-- Effect of Non-Magnetic and Magnetic Layer Thicknesses
S Saher, M Khaleeq-ur-Rahman, F Arshad, S Riaz, S Naseem
IEEE Transactions on Magnetics, 54, 2001110 (1-10), 2018 **1.467**
- 164.** Tunable Structural and Electrical Impedance Properties of Ordered and Disordered Iron Oxide Phases for Capacitive Applications
ZH Shah, S Riaz, S Atiq, S Naseem
Ceramics International, Volume 44, Issue 14, 1 October 2018, Pages 16352-16364 **3.057**
- 165.** Probe of ZrTiO₂ thin films with TiO₂-ZrO₂ binary oxides deposited by dip coating technique
ZN Kayani, A Kamran, Z Saddiqe, S Riaz, S Naseem
Journal of Photochemistry and Photobiology B: Biology 183, 357-366, 2018 **3.165**
- 166.** Structural Tuning of Dielectric Properties of Ce-substituted Nd₂Zr₂O₇
GM Mustafa, M Saleem, S Atiq, S Riaz, SA Siddiqi, S Naseem **2.456**
Journal of Saudi Chemical Society, online May 2018, <https://doi.org/10.1016/j.jscs.2018.05.007>
- 167.** Structural and magnetic properties of nano-crystalline FeCoNiN thin films
ZN Kayani, S Riaz, S Iram, S Naseem, <https://doi.org/10.1016/j.jscs.2018.05.004>
Journal of Saudi Chemical Society, online May 2018 **2.456**
- 168.** Sol-gel based thermally stable mesoporous TiO₂ nanomatrix for fiber optic pH sensing
S Islam, H Bakhtiar, N Bidin, S Riaz, S Naseem
Journal of Sol-Gel Science and Technology 86 (1), 42-50 **1.745**
- 169.** A comparative study of graphene growth by APCVD, LPCVD and PECVD
Z Ullah, S Riaz, Q Li, S Atiq, M Saleem, M Azhar, S Naseem, L Liu
Materials Research Express 5 (3), 035606, 2018 **1.151**

- 170.** Investigation of Fe doping on the magnetic and optical properties of ZnO thin films
ZN Kayani, N Yaseen, S Riaz, S Naseem
Materials Research Express 5 (3), 036418, 2018 **1.151**
- 171.** Preparation and characterization of dip coated cobalt oxide thin films
ZN Kayani, A Shahzadi, S Riaz, S Naseem
Materials Research Innovations, 1-7, 2018
- 172.** Effect of in-situ oxidation on structure and ferromagnetic properties of Fe₃Al and FeAl₂O₄ thin films prepared by electrodeposition
F Mukhtar, ZN Kayani, S Riaz, S Naseem
Ceramics International, Volume 44, Issue 8, 1 June 2018, Pages 9550-9560 **3.057**
- 173.** Thermal tuning of electrical and dielectric characteristics of Mn-doped Zn_{0.95}Fe_{0.05}O dilute magnetic semiconductors
S Zaineb, S Atiq, A Mahmood, SM Ramay, S Riaz, S Naseem
Journal of Materials Science: Materials in Electronics 29 (5), 3943-3951, 2018 **2.324**
- 174.** Crack-free high surface area silica-titania nanocomposite coating as opto-chemical sensor device
S Islam, H Bakhtiar, N Bidin, AA Salim, S Riaz, G Krishnan, S Naseem
Sensors and Actuators A: Physical 270, 153-161, 2018 **2.311**
- 175.** Tunable structural and electrical impedance properties of pyrochlores based Nd doped lanthanum zirconate nanoparticles for capacitive applications
GM Mustafa, S Atiq, SK Abbas, S Riaz, S Naseem
Ceramics International 44 (2), 2170-2177, 2018 **3.057**
- 176.** Influence of ZnO doping on structural, optical and pH-stimulus characteristics of silica-titania nanocomposite matrix
S Islam, H Bakhtiar, N Bidin, AA Salim, S Riaz, KN Abbas, LP Suan, ...
Journal of Saudi Chemical Society, online January 2018 **2.456**
<https://doi.org/10.1016/j.jscs.2018.01.005>
- 177.** Honey mediated microwave assisted sol-gel synthesis of stabilized zirconia nanofibers
BS Bukhari, M Imran, M Bashir, S Riaz, S Naseem **1.745**
Journal of Sol-Gel Science and Technology, 2018, Volume 87, Issue 3, pp 554-567
- 178.** Optical CO₂ Gas Sensing Based on TiO₂ Thin Films of Diverse Thickness Decorated with Silver Nanoparticles
MA Raza, A Habib, Z Kanwal, SS Hussain, MJ Iqbal, M Saleem, S Riaz, S Naseem
Advances in Materials Science and Engineering 2018, Article ID 2780203, 12 pages **1.372**
<https://doi.org/10.1155/2018/2780203>
- 179.** Synthesis of optically active bromophenol blue encapsulated mesoporous silica-titania nanomatrix: structural and sensing characteristics
S Islam, N Bidin, S Riaz, S Naseem
Journal of Sol-Gel Science and Technology 85 (1), 231-242, 2018 **1.745**

180. STRUCTURAL, SURFACE MORPHOLOGICAL AND MAGNETIC STUDIES OF Zn_{1-x}1-xFe_xS (x=0.00x=0.00–0.10) DILUTED MAGNETIC SEMICONDUCTORS GROWN BY CO-PRECIPITATION METHOD

M Hassan, M Ghazanfar, N Arooj, S Riaz, SS Hussain, S Naseem
Surface Review and Letters 25 (01), 1850044, 2018 **0.734**

181. Role of Precursor to Solvent Ratio in Tuning the Magnetization of Iron Oxide Thin Films –A Sol-Gel Approach

Aseya Akbar, Hassan Yousaf, Saira Riaz, Shahzad Naseem
Journal of Magnetism and Magnetic Materials, Accepted, 2018 **3.046**

2019

182. Investigation of structural, electrical, electrical polarization and dielectric properties of CTAB assisted Ni²⁺ substituted R-type nano-hexaferrites

T Amjad, I Sadiq, AB Javaid, S Riaz, S Naseem, M Nadeem
Journal of Alloys and Compounds, 770, 1112-1118, 2019 **3.779**

183. Room-temperature ferromagnetism in Ni-doped TiO₂ diluted magnetic semiconductor thin films”, Journal of Applied Research and Technology 15 (2), 132-139

B Parveen, Z Khalid, S Riaz, S Naseem

184. "Phase Transition Study in Cu(In,Ga)Se₂ Thin Films by X-ray Diffraction", *ScienceInternational* 15, 2003, 99
Riaz S and Naseem S
185. "Synthesis and Degradation of Nematic (N*) Liquid Crystals", *Journal of Physical and Natural Sciences*, SJI, Vol. 2, Issue 1 (2008) 1.
Kiayani ZN, Riaz S and Naseem S
186. "Synthesis and Degradation of Nematic (N*) Liquid Crystals", *Journal of Physical and Natural Sciences*, SJI, Vol. 2, Issue 1 (2008) 1.
Kiayani ZN, Riaz S and Naseem S
187. "Modeling and Designing of RF MEMS Switch Using ANSYS", *Journal of Emerging Technologies, IEEE (2008) 44.*
Malik AF, Shoaib M, Riaz S and Naseem S
188. "Deposition of Al₂O₃ Thin Films and Study of Their Structural, Optical, Photoconducting and Dielectric Properties", *Sci. Inter. vol. 21(2009) 1.*
Bukhari MH, Riaz S and Naseem S
189. "Preparation of BiFeO₃ Films by Sol-Gel Technique and Their Characterization", *Science International*, 23 (4) 255-258, 2011
Kayani ZN, Riaz S and Naseem S
190. "Enhanced Infrared to Visible Upconversion Emission in Er³⁺ Doped Phosphate Glass Containing Silver Nanoparticles", *Advanced Materials Research* 501 (2012) 138-142
Amjad RJ, Sahar MR, Riaz S and Ghoshal SK
191. "Optical Properties of Alumina Thin Films by using Spectroscopic Ellipsometer" *Applied Mechanics and Materials*, 319 (2013) 84
Majid F, Riaz S and Naseem S
192. "Optimizing the preparation conditions of Co-doped SrFe₁₂O₁₉ and investigating its structural and dielectrical properties", *Sci. Int.*, 25, 2013, 63
Altaf F, Atiq S, Riaz S and Naseem S
193. "A Study of Deposition, Characterization and Growth Conditions of Carbon Nanostructures on Stainless Steel (201), *Nanoscience and Nanotechnology*, 3 (2013) 96-103
Iqbal F, Riaz S, Sadiqa A, Naseem S
194. "Indexing the structural parameters and investigating the magnetic properties of lanthanum doped strontium hexaferrites", *Materials Science and Engineering, IOP*, 60 (2014) 012045
Azim M, Atiq S, Riaz S and Naseem S
195. "Structural characteristics of Ni⁺-implanted AlN thin film" *Surface Topography: Metrology and Properties*, 2 (2014) 035007 (8pp)
Ishaq M, Husnanin M, Riaz S and Naseem S
196. "Indexing the structural parameters and investigating the electrical properties of La doped Sr-hexaferrites", *Materials Science & Engineering*, 50 (2014) 012045

Azim M, Atiq S, Riaz S and Naseem S

197. "Friction and Wear Assessment of Yttria Stabilised Zirconia Thermal Barrier Coatings Produced by Plasma Spraying Method" Journal of Faculty of Engineering & Technology 22 (1), 1-6 (2015)
Farooq M, Imran A, Alam S, Naseem S, S Riaz, Shaukat SF
198. Pulsed laser deposition of SmCo thin films for MEMS applications, Journal of Applied Research and Technology 14 (5), 287-292, 2016
MK Baig, S Atiq, S Bashir, S Riaz, S Naseem, H Soleimani, N Yahya
199. "Structural and Optical Properties of Surfactant Assisted SiO₂-TiO₂ Hybrid Matrix for pH Sensing: Sol-Gel Approach", Jurnal Teknologi, 78, 3, 211-215, MAR 2016
Islam S, Bidin N, Riaz S, Naseem S
200. Amir M, Atiq S, Mustafa GM, Riaz S and Naseem S, "Effect of Ba-substitution at Sr-site on the structural and dielectric characteristics of SrMnO₃", Nucleus, 52, 2015, 155
201. Abbas K, Atiq S, Riaz S and Naseem S, "Dielectric and magnetic characterization of sol-gel synthesized SrMnO₃ perovskite", Nucleus, 52, 2015, 200
202. Azam M, Atiq S, Mustafa GM, Riaz S and Naseem S, "Dielectric characterization of XAl₂O₄ (X=Mg, Zn, Ni) spinel ceramics", Nucleus, 52, 2015, 204
203. Shah SMH, Riaz S, Atiq S, Mahmood A, Ramay SM and Naseem S, "BiFeO₃ thin films – structural and dielectric properties", Sci. Inter., 27, 2015, 3077
204. Shah SMH, Riaz S, Atiq S, Mahmood A, Ramay SM and Naseem S, "Structural and dielectric properties of La doped BiFeO₃ thin films", Sci. Inter., 27, 2015, 3081
205. Farooq M, Imran A, Alam S, Naseem S, Riaz S and Shaukat SF, "Friction and wear assessment of yttria stabilised zirconia thermal barrier coatings produced by plasma spraying method", Journal of Faculty of Engineering & Technology, 22, 2015, 1
206. Ullah K, Riaz S, Habib M, Abbas F, Naseem S, Shah I and Bukhtiar A, "Effect of channel doping concentration on the impact ionization of n-channel fully depleted SOI MOSFET", International Journal of Engineering Works, 2, 2015, 1
207. Azim M, Atiq S, Riaz S and Naseem S, "Indexing the structural parameters and investigating the electrical properties of La doped Sr-hexaferrites", Mater. Sci. Engg., 60, 2014, 012045
208. Ullah K, Riaz S, Habib M, Abbas F, Naseem S and Abbas G, "Effect of high temperature on the impact ionization of n-channel fully depleted SOI MOSFET", International Journal of Engineering Works, 1, 2014, 48

Presentations at National conferences/meetings/Symposia (34+2)

INVITED TALKS AT NATIONAL LEVEL (2)

1. Invited Talk on “Nanotechnology Research at CSSP”, National Meeting on Nanotechnology Research in Pakistan, COE in Solid State Physics, Punjab University, Lahore, August 03, 2010.
2. Invited Talk on ”Iron Oxide Nanostructures for Advanced Applications”, Workshop on Nanomaterials and Their Applications, Lahore College for Women University, Lahore, April 19, 2012
3. “Phase Transition Study in Cu(In,Ga)Se₂ Thin Films by X-ray Diffraction”, *Presented at 3rd International Science Conference, University of Arid Agriculture, Murree Road, Rawalpindi, 2002*
Co-authors: Naseem S
4. “Aluminium Oxide Thin Films - A Novel Approach”, *Presented at 3rd International Science Conference, University of Arid Agriculture, Murree Road, Rawalpindi, 2002*
Co-authors Bokhari MH and Naseem S
5. “Preparation of Aluminium Nitride Thin Films by Post-Deposition Reaction”, *Presented at 3rd International Science Conference, University of Arid Agriculture, Murree Road, Rawalpindi, 2002*
Co-authors: Ashfaq M and Naseem S
6. “Carbon Nanostructures – Initial Results”, *Presented at Conference on Nano-Science and Technology, COMSATS Headquarters, Islamabad, June, 2005*
Co-author: Naseem S
7. “Silica Thin Films by Sol-Gel Technique”, *Presented at Conference on Nano-Science and Technology, COMSATS Headquarters, Islamabad, June, 2005*
Co-authors: Naseem S, Hussain K and Nisa MU
8. “Sol-Gel Preparation of Titania Thin Films”, *Presented at Conference on Nano-Science and Technology, COMSATS Headquarters, Islamabad, June, 2005*
Co-authors: Naseem S, Khan B and Raza R
9. “Alumina Thin Films by Sol-Gel Technique”, *Presented at Conference on Nano-Science and Technology, COMSATS Headquarters, Islamabad, June, 2005*
Co-authors: Naseem S, Khan B, Ashraf F, Hussain K and Kafayat SU
10. “Nanometer Sized Grains in CIGS Thin Films – An XRD Study”, *Presented at Conference on Nano-Science and Technology, COMSATS Headquarters, Islamabad, June, 2005*
Co-authors: Naseem S and Ikram N
11. “Formation and Confirmation of Cholesterol based Liquid Crystals”, *Presented at International Conference, Pakistan Institute of Physics, UET, Lahore, March 13 – 16, 2006*
Co-authors: Kiyani ZN and Naseem S
12. Mullite Transformation Kinetics in TiO₂- and B₂O₃-Doped Aluminum Silicate Gels”, *Presented at International Conference, Pakistan Institute of Physics, UET, Lahore, March 13 – 16, 2006*
Co-authors: Islam S, Usman S and Naseem S

13. "Fabrication and Study of Various Absorbing Media Based Systems for Solar Thermal Generation of Energy" *Presented at International Conference, Pakistan Institute of Physics, UET, Lahore, March 13 – 16, 2006*
Co-authors: Imran M, Naseem S

14. "Deposition of Al₂O₃ Thin Films and Study of Their Structural, Optical, Photoconducting and Dielectric Properties", *Presented at International Conference, Pakistan Institute of Physics, UET, Lahore, March 13 – 16, 2006*
Co-authors: Bukhari MH and Naseem S

15. "Dependence of Structural Properties of CIGS Thin Films on Reaction Time at 250 °C & 450 °C", *Presented at International Conference, Pakistan Institute of Physics, UET, Lahore, March 13 – 16, 2006*
Co-authors: Hassan M and Naseem S

16. "Compositional and Structural Properties of Silica and Silicate Thin Films Prepared by Sol-Gel Techniques", *Presented at International Conference, Pakistan Institute of Physics, UET, Lahore, March 13 – 16, 2006*
Co-authors: Rafique M and Naseem S

17. "Preparation, Phase Transformation and Crack Alleviation in Sol-Gel Based Titania Films", *Presented at International Conference, Pakistan Institute of Physics, UET, Lahore, March 13 – 16, 2006*
Co-authors: Usman S, Islam S and Naseem S

18. "Synthesis & Preparation of PZT, BTO Compounds by SOL-GEL Method for Ferroelectric & Liquid Crystal Applications", *Presented at International Conference, Pakistan Institute of Physics, UET, Lahore, March 13 – 16, 2006*
Co-authors: Khan B, Mateen B and Naseem S

19. "Magnetic and Structural Properties of Electro-deposited FeCoNi Thin Films with Variations in Current Density Used during Preparation", *Presented at International Conference UET, Lahore, 23-26 February, (2009).*
Co-author: Kiayani ZN and Naseem S

20. "Plasma Assisted CVD Growth and Characterization of DLC Nanostructures", *Presented at National Meeting on Nanotechnology Research in Pakistan, August 03, 2010.*
Co-authors: Yar A, Iqbal N and Naseem S

21. "Electrodeposition of L1₀ Ordered CoPt Nanoparticles and Nanowires", *Presented at National Meeting on Nanotechnology Research in Pakistan, August 03, 2010.*
Co-authors: Kausar R, Naeem S and Naseem S

22. "Preparation and Characterization of Mn doped ZnO through Sol-Gel technique", *Presented at National Meeting on Nanotechnology Research in Pakistan, August 03, 2010.*
Co-author: Bashir M and Naseem S

23. "Synthesis and Characterization of ZnO nanoparticles Through Sol-Gel Route", *Presented at National Meeting on Nanotechnology Research in Pakistan, August 03, 2010.*
Co-authors: Ashraf R, Naseem S

24. "Branched Carbon Nanotube Formation Through Cracks and AAO templates", Presented at National Meeting on Nanotechnology Research in Pakistan, August 03, 2010.
Co-authors: Yasir M and Naseem S

25. "Ellipsometry of $Zn_xCd_{1-x}S$ Thin Films", National Meeting on Nanotechnology Research in Pakistan, August 03, 2010.
Co-authors: Jamil MA and Naseem S

26. "Synthesis and Characterization of porous bioceramic monoliths for hard tissue replacement", Presented in 2nd International Symposium on Biomedical Materials: Current Research and Future Signposting, July 6-7, 2010, pg 17
Co-authors: Hussain R, Ashraf N, Fatima N, Asif A, Usman M, Chaudhry AA, Naseem S, Rehman I, Darr JA,

27. "Structural, Magnetic and Optical Properties of undoped Co-evaporated ZnO Thin Films", presented at National Conference at University of Peshawar, Peshawar, 2011
Co-authors: Safeen A, Safeen K and Naseem S

28. "Modeling and Simulations of 1 KV/5 A Normally-off 4H-SiC VJFET", INMIC 2011, Dec22-24, 2011, Sir Syed University of Engineering and Technology, Karachi IEEE (2011)
Co-authors: Khalid M and Naseem S

29. "Synthesis and Characterization of ZrO_2 Nanoparticles for Bio-Medical Applications", Presented at National Symposium on Frontiers in Nanotechnology, NUST, Islamabad, May 19, 2012
Co-authors: Hamid S and Naseem S

30. "Fabrication and Magnetic Characterization of AAO Template Assisted Growth of Fe_3O_4 Nanotubes", Presented at National Symposium on Frontiers in Nanotechnology, NUST, Islamabad, May 19, 2012
Co-authors: Akbar A and Naseem S

31. "ZnO Nanowires and Nanotubes for PV Applications", Presented at National Symposium on Frontiers in Nanotechnology, NUST, Islamabad, May 19, 2012
Co-authors: Noor R and Naseem S

32. "Synthesis and Characterization of Un-doped SnO_2 Nanostructures for PV Applications", Presented at National Symposium on Frontiers in Nanotechnology, NUST, Islamabad, May 19, 2012
Co-authors: Jabeen G and Naseem S

33. "Effects for the different type of ion beam irradiation on the ZnO nanowires" Poster presentation in International Scientific Spring (ISS), jointly organised by National center for Physics (NCP) Islamabad, and International Center for Theoretical Physics (ICTP), Italy at NCP Islamabad, 2012.
Co-authors: Abbas N, Dee CF, Naseem S, Rafique MH, Long Y, Ahmad I

34. “Fabrication and Characterization of ZrO₂ Nanoparticles” Presented at 6th Vacuum and Surface Sciences Conference of Asia and Australia, October 9-13, 2012 at Pak-China Friendship Centre, Islamabad, Pakistan
Co-authors: Hamid S and Naseem S
35. “Effect of Temperature on the Threshold Voltage of AlGa_N/Ga_N VHFET on Ga_N Substrate” Presented at 6th Vacuum and Surface Sciences Conference of Asia and Australia, October 9-13, 2012 at Pak-China Friendship Centre, Islamabad, Pakistan
Co-authors: Arif H and Naseem S
36. “Structural and magnetic properties of Sol-Gel deposited Iron Oxide Thin Films”, Presented at National Seminar on Engineering Materials and Their Performances, CEET, PU, Lahore, Pakistan, April 30, 2013.
Co-authors: Akbar A, and Naseem S.

Presentations (with Proceedings) at International Conferences/Meetings/Symposia (362+10)

INVITED TALKS AT INTERNATIONAL LEVEL (10)

37. Fabrication and Magnetic Characterization of AAO Template Assisted Growth of Fe₃O₄ Nanotubes”, Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR’12)*, Seoul, Korea, August 26 – 29, (2012)
38. “Iron Oxide Nanoparticles for Cancer Treatment” ”, Presented at International Conference on *Advances in Nano – Biomechanics- Robotics- and Energy Research (ANBRE’13)*, Seoul, Korea, August 25 – 28, (2013)
39. Iron Oxide Nanoparticles for Cancer Treatment” ”, Presented at International Conference on *Advances in Nano – Biomechanics- Robotics- and Energy Research (ANBRE’13)*, Seoul, Korea, August 25 – 28, (2013)
40. Keynote Talk at “International Conference on Solid State Physics (ICSSP’13)”, <http://www.icssp13.org.pk/> , Lahore, Pakistan, December 1-6, 2013
41. “Chemical synthesis of Cr doped iron oxide nanoparticles”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
42. “Structural and magnetic properties of Co doped iron oxide nanoparticles”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
43. “Exchange bias in core-shell iron aluminum oxide nanostructures”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

44. "Fabrication and characterization of core-shell magnetic nanowires", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
45. Saira Riaz, Shyreen Fatima and Shahzad Naseem, "Bacterial removal from water by using Al₂O₃ and FeO nanoparticles", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3H.6.MR373_1464F1.pdf)
46. "Changes in Magnetic Properties of Co-rich Nanowires fabricated in AAO Film Templates due to Magnetic Field Annealing", 5th International Conference on Magnetic Films and Nanomagnetism, Su Zhuo, China, May 13 – 15, 2006
Co-authors: S. Shamaila, R. Sharif, X.Q. Zhang, L.X. Jiang and X.F. Han
47. "Magnetic and Magnetization Properties of CoFeB Nanowires", Presented at International Conference of Magnetism, Japan, 2006
Co-authors: R. Sharif, X.Q. Zhang, S. Shamaila, L.X. Jiang, X.F. Han
48. "Thermally Evaporated Fe-Ox Thin Films for use in MTJs – Structural, Magnetic and Electrical Properties", Presented and Published in the proceedings of International Conference on Advances in Materials Research (ICAMR'12), Seoul, Korea, August 26 – 29, (2012)
Co-authors: Farooq S and S. Naseem
49. "Effect of Fe-Ox as a Tunneling Barrier on the coupling of CoB/Fe-Ox/Co Trilayers", Presented and Published in the proceedings of International Conference on Advances in Materials Research (ICAMR'12), Seoul, Korea, August 26 – 29, (2012)
Co-authors: Usman H and S. Naseem
50. "Improved magnetic properties of sol-gel derived Fe₃O₄ nanoparticles for bio-medical applications", Presented and Published in the proceedings of International Conference on Advances in Materials Research (ICAMR'12), Seoul, Korea, August 26 – 29, (2012)
Co-authors: Ahmad P, Akbar A and S. Naseem
51. "Preparation of Fe₃O₄ Thin Films by Sol-Gel Technique – Magnetic and Structural Properties", Presented and Published in the proceedings of International Conference on Advances in Materials Research (ICAMR'12) Seoul, Korea, August 26 – 29, (2012)
Co-authors: Akbar A and S. Naseem
52. "Synthesis and Characterization of FeO-ZrO₂ Nanoparticles for Bio-medical applications ", Presented and Published in the proceedings of International Conference on Advances in Materials Research (ICAMR'12), Seoul, Korea, August 26 – 29, (2012)
Co-authors: Hamid S and S. Naseem
53. "Preparation and Characterization of BiFeO₃ Thin Films by Sol-Gel Route ", Presented and Published in the proceedings of International Conference on Advances in Materials Research (ICAMR'12), Seoul, Korea, August 26 – 29, (2012)
Co-authors: Akbar A and S. Naseem

54. "Effect of Cu content on the Structural, Electrical and Magnetic properties of Mn-Ferrites", Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR '12)*, Seoul, Korea, August 26 – 29, (2012)
Co-authors: Nisa Z, Atiq S, Siddiqi S. A. and Naseem S
55. "Induced Modifications in the Structural, Electrical and Magnetic Properties of Sr-doped BiFeO₃ Multiferroics", Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR '12)*, Seoul, Korea, August 26 – 29, (2012)
Co-authors: Atiq S, Hussain T, Siddiqi S.A. and Naseem S
56. "Zn_xCd_{1-x}S (x=0-1) Thin Films Prepared by Nano Colloidal Suspension – Optical and Structural Analyses", Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR '12)*, Seoul, Korea, August 26 – 29, (2012)
Co-authors: Hussain S, and Naseem S
57. "ZnS Dendrites – Optical, Electrical and Structural Properties", Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR '12)*, Seoul, Korea, August 26 – 29, (2012)
Co-authors: Gul S, Akhtar M. S and Naseem S
58. "ZnO / c-Si Solar cell Fabricated Through Sol-Gel and Spin Coating", Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR '12)*, Seoul, Korea, August 26 – 29, (2012)
Co-authors: Farooq S, Hussain S and Naseem S
59. "A Comparative Study of ZnO Thin Films, Nanowires and Nanotubes for Photovoltaics Applications", Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR '12)*, Seoul, Korea, August 26 – 29, (2012)
Co-authors: Noor R, and Naseem S
60. "Synthesis and Characterization of Zn-doped and un-doped SnO₂ nanostructures for PV Applications", Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR '12)*, Seoul, Korea, August 26 – 29, (2012)
Co-authors: Jabeen G, and Naseem S
61. "Synthesis and Characterization of CdTe Ink Comprised of Nanoparticles", Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR '12)*, Seoul, Korea, August 26 – 29, (2012)
Co-authors: Akram Z, Qasim M and Naseem S
62. "Synthesis and Characterization of CdS Ink Comprised of Nanoparticles", Presented and Published in the proceedings of International Conference on *Advances in Materials Research (ICAMR '12)*, Seoul, Korea, August 26 – 29, (2012)
Co-authors: Qasim M, Akram Z and Naseem S
63. "Alumina Coatings for use under high Radiation Conditions", *Presented at International Conference on Metallurgical Coatings and Thin Films*, April 29 – May03, 2013, San Diego, California, USA

64. "A Detailed Investigation into the Preparation and Properties of ZrO_2 - Fe_2O_3 Coatings for Bio-Medical Applications", *Presented at International Conference on Metallurgical Coatings and Thin Films*, April 29 – May03, 2013, San Diego, California, USA
Co-author: Naseem S

65. "Preparation and Characterization of CIGAS Thin Films and Their Solar Cells", *Presented at International Conference on Metallurgical Coatings and Thin Films*, April 29 – May03, 2013, San Diego, California, USA
Co-author: Naseem S

66. "Low Temperature Formation of Aluminum Oxide Thin Films" *Presented and published in the proceedings(PP-63-65) of 2nd International Conference on Bio-Nanotechnology, Nanotechnology and Its Applications (ICBNA'2013) Lonndon, UK, June 17-18, 2013, (available onile)*
Co-author: Majid F and Naseem S

67. "Atomic Force Microscopy of Electrodeposited Aluminum Oxide Thin Films" *Presented and published in the proceedings (PP-58-62) of 2nd International Conference on Bio-Nanotechnology, Nanotechnology and Its Applications (ICBNA'2013) Lonndon, UK, June 17-18, 2013 (available online)*
Co-author: Majid F and Naseem S

68. "Fabrication and Magnetic Characterization of Fe_3O_4 Nanotubes and Nanowires", *Presented at International Conference on Advanced Complex Inorganic Nanomaterials (ACIN)*, Namur, Belgium, July 15 – 19, 2013
Co-author: Naseem S

69. "Structural and Optical Properties of Sol-Gel prepared ZnS Dendrites", *Presented at International Conference on Advanced Complex Inorganic Nanomaterials (ACIN)*, Namur, Belgium, July 15 – 19, 2013
Co-author: Akhtar MS and Naseem S

70. "Improved Magnetic Properties of Sol-Gel Derived Fe_3O_4 Nanoparticles for Bio-Medical Applications ", *Presented at International Conference on Advanced Complex Inorganic Nanomaterials (ACIN)*, Namur, Belgium, July 15 – 19, 2013
Co-author: Akbar A and Naseem S

71. "Magnetic and Magnetization Properties of Spin-deposited un-doped ZnO Nanowire Arrays", *Presented at International Conference on Advanced Complex Inorganic Nanomaterials (ACIN)*, Namur, Belgium, July 15 – 19, 2013
Co-author: Ashraf R and Naseem S

72. "Effect of pH on the Optical Properties of Sol-Gel prepared ZnS thin films by Spectroscopic Ellipsometry", *Presented at International Conference on Advanced Complex Inorganic Nanomaterials (ACIN)*, Namur, Belgium, July 15 – 19, 2013
Co-author: Akhtar MS and Naseem S

73. Effect of Mn-doping Concentration on the Structural & Magnetic Properties of Sol-Gel Deposited ZnO Diluted Magnetic Semiconductor”, *Presented at International Conference on Advanced Materials and manufacturing Science (ICAMMS)* December 21-21, 2012, Beijing, China, published by Atlantis Press, pp 518-522 (2013) available online
Co-authors: Bashir M, Hussain SS and Naseem S
74. “Power Macro Modelling for CMOS Inverter of 0.12 μ m Technology”, *Presented at International Conference on Advanced Materials and manufacturing Science (ICAMMS)* December 21-21, 2012, Beijing, China, published by Atlantis Press, pp 509-513 (2013) available online
Co-authors: Naseem S, Azam M, Ali S.S and Durrani Y.A
75. “Noise Optimization of Low Power CMOS Charge Amplifier Using Simulation Environment of EldoTM”, *Presented at International Conference on Advanced Materials and manufacturing Science (ICAMMS)* December 21-21, 2012, Beijing, China, published by Atlantis Press, pp 506-508 (2013) available online
Co-authors: Naseem S, Hussain A, Ghayas D
76. “Optical and Structural Properties of Electr-deposited Alumina Thin Films, *Presented at International Conference on Advanced Materials and manufacturing Science (ICAMMS)* December 21-21, 2012, Beijing, China, published by Atlantis Press, pp 523-526 (2013) available online
Co-authors: Majid F, Akram MI, Atiq S, Naseem S
77. “Effect of Solvents on the Ferromagnetic Behaviour of Undoped BiFeO₃ prepared by Sol-Gel”, Presented at International Symposium on Advanced Magnetic Materials and Applications (ISAMMA), Taichung, Taiwan, July 21-25, 2013.
Co-authors: Akbar A, Atiq S and Naseem S
78. “Magnetic and Magnetization Properties of Sol-Gel Deposited Magnetite Thin Films”, Presented at International Symposium on Advanced Magnetic Materials and Applications (ISAMMA), Taichung, Taiwan, July 21-25, 2013.
Co-authors: Akbar A, Hussain S S and Naseem S
79. “Effect of pH on the optical properties of ZnS”, Presented at International Symposium on Advanced Magnetic Materials and Applications (ISAMMA), Taichung, Taiwan, July 21-25, 2013.
80. “Magnetic and Magnetization properties of co-doped ZnS Thin Films ”, Presented at International Symposium on Advanced Magnetic Materials and Applications (ISAMMA), Taichung, Taiwan, July 21-25, 2013
81. “Magnetoresistance of Iron Oxide based Trilayers”, Presented at International Symposium on Advanced Magnetic Materials and Applications (ISAMMA), Taichung, Taiwan, July 21-25, 2013
82. “Synthesis and Characterization of SnO₂ Nanoparticles for PV applications, *Presented and Published in Proceeding of “2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE)* August 25-28, 2013, COEX, Seoul, Korea
Co-authors: Nairan A, Bashir M, Ashraf A and Naseem S
83. “Optical and Structural Properties of Electrodeposited Aluminum Oxide at Low Temperatures”, *Presented and Published in Proceeding of “2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE)* August 25-28, 2013, COEX, Seoul, Korea

Co-authors: Imran M, Majid F and Naseem S

84. "Synthesis and Characterization of Sol-gel Deposited Aluminum Oxide at Low Temperatures, *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Majid F, Ijaz T, Farooq M and Naseem S
85. "Magnetic and Structural Properties of Co doped ZnO Nanoparticles, *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Ashraf R, Bashir M and Naseem S
86. "Synthesis and Characterization of TiO₂ Nanoparticles", *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Akbar A, Imran M and Naseem S
87. "Synthesis and Characterization of ZnO Nanoparticles", *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Ashraf R, Rehman MK and Naseem S
88. "Synthesis and Characterization of ZrO₂-ZnO Nanoparticles", *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Bashir M, Ashraf A, Imtiaz M and Naseem S
89. "Effect of Al doping on the Structural and Magnetic Properties of Iron Oxide Thin Films, *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Akbar A, Zafar S and Naseem S
90. "Magnetic and Structural Properties of Calcium doped BiFeO₃ Thin Films, *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Akbar A and Naseem S
91. "Magnetic and Structural Properties of La doped BiFeO₃ Thin Films, *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Aseya A, Atiq S and Naseem S
92. "Electrical Properties of Iron Oxide Nanoparticles Coated Carbon Nanotubes, *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Azam M, Akbar A and Naseem S
93. "Effect of Magnesium doping on Structural and Magnetic Properties of Iron oxide thin films *Presented and Published in Proceeding of "2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Akbar A, Maria B and Naseem S

94. “Effect of Iron Doping on Structural, Optical and Magnetic Properties of TiO₂ thin films by Sol-gel Technique, *Presented and Published in Proceeding of “2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Akbar A and Naseem S
95. “Synthesis and Characterization of CdS and CdTe Inks for Solar Cells”, *Presented and Published in Proceeding of “2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Butt A and Naseem S
96. “Structural and Electrical Properties of CIAGS Thin Films”, *Presented and Published in Proceeding of “2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
97. Co-authors: Azam A, Khan U, and Naseem S
98. “Structural and Optical properties of CIAGS thin films”, *Presented and Published in Proceeding of “2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Batool S and Naseem S
99. “Synthesis and Characterization of CIGS ink for Solar Cells”, *Presented and Published in Proceeding of “2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Sadaqat A and Naseem S
100. “Preparation and Characterization of Cu - ZnTe Thin Films”, *Presented and Published in Proceeding of “2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Naseem S and Hussain SS
101. “Synthesis and Characterization of Magnetic Nanoparticles for Cancer Therapy, *Presented and Published in Proceeding of “2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE) August 25-28, 2013, COEX, Seoul, Korea*
Co-authors: Atiq S, Ansar Z and Naseem S
102. “FeAl₂O₄ thin films prepared by Sol-Gel – structural and magnetic properties”, *Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5150 (www.sciencedirect.com)*
103. M Khalid, Mehboob Ahmed, Shabana Aziz, Saira Riaz and Shahzad Naseem, “Study of theoretical investigation of bipolar effect in 4H-SiC VJFET”, *Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5155 (www.sciencedirect.com)*
104. Gull Jabeen Naz, Usman Khan, Saira Riaz and Shahzad Naseem, “Effect of transition bi-metal doping on ZnO thin films”, *Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5160 (www.sciencedirect.com)*
105. Zohra N Kayani, F. Nazir, Saira Riaz, R. Zia and Shahzad Naseem, “Structural, optical and magnetic properties of MnZnO Thin Films”, *Presented at the International*

Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5166 (www.sciencedirect.com)

106. Shumaila Islam, Rosly A Rahman, Saira Riaz, Shahzad Naseem, Zulkafli Othaman and MA Saeed, “Study of Sol-Gel based antireflection coatings”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5177 (www.sciencedirect.com)
107. Hadia Noor, Saira Riaz and Shahzad Naseem, “Capacitance-voltage characteristics of selectively doped CIAGS/Si junctions”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5196 (www.sciencedirect.com)
108. Aisha Batool, Farah Kanwal, Saira Riaz, Aamir Abbas and Shahzad Naseem, “Novel method to synthesize conducting polyaniline/nickle sulphide nanocomposite films and the study of their structural and electrical properties”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5201 (www.sciencedirect.com)
109. Shumaila Islam, Rosly A Rahman, Saira Riaz, Shahzad Naseem and Zulkafli Ottoman, “Study of single and multilayer silica-titania thin films on plastic substrate”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5205 (www.sciencedirect.com)
110. S Zaheer H Shah, Usman Khan, Saira Riaz and Shahzad Naseem, “Effect of pH on iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5214 (www.sciencedirect.com)
111. M Khalid, Saira Riaz and Shahzad Naseem, “Simulations and analysis of electrical characteristics of 4H-SiC/Pt Schottky barrier diode”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5225 (www.sciencedirect.com)
112. M Khalid, Saira Riaz and Shahzad Naseem, “Tailoring of the Band gap in transition metal-doped ZnO: first principle calculations”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5246 (www.sciencedirect.com)
113. Mahmood ul Hassan, Saira Riaz and Shahzad Naseem, “Room temperature ferromagnetism and nickel addition effects in titanium dioxide”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5251 (www.sciencedirect.com)
114. Shahid Atiq, M Javid, Saira Riaz and Shahzad Naseem, “Magnetic phase transition in nickel oxide”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5262 (www.sciencedirect.com)
115. Farzana Majid, Saira Riaz, N Tariq and Shahzad Naseem, “Ferromagnetic behaviour of undoped BiFeO₃ thin films prepared by Sol-Gel”, Presented at the International Conference on

- Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5274 (www.sciencedirect.com)
- 116.** Saira Riaz, S Zaheer H Shah, Zohra N Kayani and Shahzad Naseem, “Magnetic and structural phase transition in iron oxide nanostructures”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5280 (www.sciencedirect.com)
- 117.** Imran Ghafoor, Saadat A Siddiqi, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Investigating the structural and electrical properties of $\text{La}_{0.1}\text{Bi}_{0.9-x}\text{Pb}_x\text{FeO}_3$ ($x=0.0, 0.05, 0.10, 0.2, 0.3$) multiferroics”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5288 (www.sciencedirect.com)
- 118.** Farzana Majid, Samar T Mirza, Saira Riaz and Shahzad Naseem, “Sol-Gel synthesis of BiFeO_3 nanoparticles”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5293 (www.sciencedirect.com)
- 119.** Shumaila Islam, Rosly Abdul Rahman, Saira Riaz, Shahzad Naseem and Zulkafli Ottoman, “Formation of rutile titania phase at low temperature”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5298 (www.sciencedirect.com)
- 120.** M Saeed Akhtar, Saira Riaz and Shahzad Naseem, “DFT study of half metallic ferromagnetism in $\text{Zn}_{1-x}\text{Cr}_x\text{S}$ alloys”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5337 (www.sciencedirect.com)
- 121.** Hadia Noor, Saira Riaz and Shahzad Naseem, “Effect of radiation on ZnTe/Si junction using I-V and C-V measurements”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5343 (www.sciencedirect.com)
- 122.** M Khalid, Mehboob Ahmed, Saira Riaz and Shahzad Naseem, “Study of temperature dependent punch-through behaviour in 4H-SiC VJFET: TCAD simulation”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5352 (www.sciencedirect.com)
- 123.** Fida Rehman, Hai-Bo Jin, Jing-Bo Li, Arfan Bukhtiar, M Khalid, M Rizwan, Saira Riaz and Shahzad Naseem, “Simulations of transient behaviour and parasitic effects for 20 nm gate length of PD SOI nMOSFET”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5357 (www.sciencedirect.com)
- 124.** W Mahmood, Saira Riaz and Shahzad Naseem, “Structural and magnetic properties of BiFeO_3 thin films by sol-gel”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5373 (www.sciencedirect.com)
- 125.** Robina Ashraf, Saira Riaz, Zohra N Kayani and Shahzad Naseem, “Structural and magnetic properties of iron doped ZnO nanoparticles”, Presented at the International Conference on

Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5384 (www.sciencedirect.com)

126. Sunia Siddique, M Tahir, Saira Riaz and Shahzad Naseem, “Structural and magnetic properties of Mg-doped iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5390 (www.sciencedirect.com)
127. Aseya Akbar, Saira Riaz, S Sajjad Hussain and Shahzad Naseem, “Magnetic properties of Sol-Gel deposited magnetite thin films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5395 (www.sciencedirect.com)
128. Manzar M Yaqoob, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Effect of oxidation temperature on structural and magnetic properties of Al-doped iron oxide thin Films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5400 (www.sciencedirect.com)
129. Aseya Akbar, M Imran, Saira Riaz and Shahzad Naseem, “Study of phase transition in iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5405 (www.sciencedirect.com)
130. M Zaka Ansar, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Magnetic nano-crystallites for anti-cancer drug delivery”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5410 (www.sciencedirect.com)
131. Usman Khan, Aseya Akbar, Hassan Yousaf, Saira Riaz and Shahzad Naseem, “Ferromagnetic properties of Al-doped Fe₂O₃ thin films by Sol-Gel”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5415 (www.sciencedirect.com)
132. Usman Khan, Aseya Akbar, Unaiza Ahmad, Saira Riaz and Shahzad Naseem, “Magnetic behaviour of iron oxide thin films for biomedical applications”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5421 (www.sciencedirect.com)
133. M Khalid, Saira Riaz, Alexander E Grekov, Enrico Santi and Shahzad Naseem, “High breakdown voltage characteristics in normally-off 4H-SiC VJFET using TCAD simulation”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5436 (www.sciencedirect.com)
134. Shumaila Islam, Saira Riaz, Rosly A Rehman, Shahzad Naseem and Zulkafli Ottoman, “Effect of boron doping on the kinetics of mullite thin films transformation”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5441 (www.sciencedirect.com)
135. Zohra N Kayani, Yasmeen Ali, Faiza Kiran, I Batool, MZ Butt, Maryam Umer, Saira Riaz and Shahzad Naseem, “Fabrication of copper oxide nanoparticles by sol-gel route”, Presented

at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5446 (www.sciencedirect.com)

136. M Imran, Saira Riaz and Shahzad Naseem, “Synthesis and characterization of titania nanoparticles by Sol-Gel technique”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5455 (www.sciencedirect.com)
137. Robina Ashraf, Saira Riaz, Zohra N Kayani and Shahzad Naseem, “Effect of calcination on properties of ZnO nanoparticles”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5468 (www.sciencedirect.com)
138. Zohra N Kayani, Aliya Afzal, ES Khan, F Nazir, Farhat Saleemi, Saira Riaz and Shahzad Naseem, “Structural and magnetic properties of CoZnO films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5473 (www.sciencedirect.com)
139. M Saeed Akhtar, Saira Riaz and Shahzad Naseem, “Optical properties of Sol-gel deposited ZnS thin films: Spectroscopic Ellipsometry”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5497 (www.sciencedirect.com)
140. M Zakria Butt, Dilawar Ali, Najm-ul-Aarifeen and Shahzad Naseem, “Irradiation effects of 40 – 250 keV Fe ions on structural and optical properties of CR-39 polymer”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5504 (www.sciencedirect.com)
141. M Saeed Akhtar, Saira Riaz and Shahzad Naseem, “Study of half metallicity in Mn, Fe and MnFe co-doped cubic ZnS by first-principles”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5528 (www.sciencedirect.com)
142. Raja Shehryar Ali, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Structural, optical and electrical characterization of Fe₃O₄ thin films prepared using PVD Magnetron sputtering (RF)”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5543 (www.sciencedirect.com)
143. Fouzia Altaf, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Synthesis of Co-doped Sr-hexaferrites by Sol-gel and its electrical characterization”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5548 (www.sciencedirect.com)
144. Zohra N Kayani, Erum Shahid Khan, Farhat Saleemi, Saira Riaz and Shahzad Naseem, “Optical and magnetic properties of iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5568 (www.sciencedirect.com)
145. M Azim, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Phase stabilization and frequency dependant dielectric response of La-doped Sr-hexaferrites”, Presented at the International

Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5578 (www.sciencedirect.com)

146. Mirza Khurram Baig, Shahid Atiq, Shazia Bashir, Saira Riaz and Shahzad Naseem, “Thickness dependant optimization of 1-5 phase of SmCo thin films deposited by pulsed laser”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5582 (www.sciencedirect.com)
147. M Zakria Butt, Dilawar Ali, M Usman Tanveer and Shahzad Naseem, “Surface roughness and electrical resistivity of high-purity zinc irradiated with Nd:YAG laser pulses”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5587 (www.sciencedirect.com)
148. M Umair Farooq, Shahid Atiq, Shazia Bashir, Saira Riaz and Shahzad Naseem, “Substrate temperature dependant deposition by pulsed laser and characterization of SmCo films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5592 (www.sciencedirect.com)
149. Mahmood ul Hassan, Saira Riaz and Shahzad Naseem, “Modification in structural and magnetic properties of pure ZnO realized by Bi addition”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5596 (www.sciencedirect.com)
150. Haroon M Jaral, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Effect of annealing on structural and magnetic properties of magnetite Fe₃O₄ thin films using radio frequency magnetron sputtering”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5601 (www.sciencedirect.com)
151. Zohra N Kayani, Faiza Kiran, Fariha Nazir, Erum Shahid Khan, Saira Riaz and Shahzad Naseem, “Preparation of thin films of NiZnO by sol-gel dip coating”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5607 (www.sciencedirect.com)
152. Mahwish Bashir, Saira Riaz, M Farooq A Butt and Shahzad Naseem, “Structural and magnetic properties of Fe₃O₄ doped zirconia”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5611 (www.sciencedirect.com)
153. Mahwish Bashir, Saira Riaz and Shahzad Naseem, “Structural, mechanical and magnetic properties of FeO added zirconia”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5627 (www.sciencedirect.com)
154. S Mazhar H Shah, Saira Riaz, S Sajjad Hussain, Shahid Atiq and Shahzad Naseem, “Structural, magnetic and dielectric properties of Ba doped BiFeO₃ thin films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5654 (www.sciencedirect.com)

- 155.** Zohra N Kayani, A Afzal, M Zakria Butt, I Batool, Sana Arshad, Yasmeen Ali, Saira Riaz and Shahzad Naseem, “Structural, optical and magnetic properties of iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5660 (www.sciencedirect.com)
- 156.** Mahwish Bashir, Saira Riaz and Shahzad Naseem, “Effect of pH on ferromagnetic iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5664 (www.sciencedirect.com)
- 157.** Aseya Akbar, Saira Riaz and Shahzad Naseem, “Magnetic properties of Co-doped Fe₂O₃ thin films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5674 (www.sciencedirect.com)
- 158.** Aseya Akbar, Muntaha Niaz, Saira Riaz and Shahzad Naseem, “Magnetic and structural properties of Cr-doped Fe₂O₃”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5679 (www.sciencedirect.com)
- 159.** M Saeed Akhtar, Saira Riaz and Shahzad Naseem, “Theoretical investigation of half metallicity in cobalt doped ZnS: DFT studies”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5684 (www.sciencedirect.com)
- 160.** M Saeed Akhtar, Saira Riaz and Shahzad Naseem, “Synthesis of ZnS nanoparticles by chemical bath deposition”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5691 (www.sciencedirect.com)
- 161.** M Ashraf, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Preparation and characterization of ZnCdS and CdTe thin films by PVD for photovoltaic applications”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5695 (www.sciencedirect.com)
- 162.** M Azam, Saira Riaz and Shahzad Naseem, “Structural and magnetic properties of lower temperature calcined iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5700 (www.sciencedirect.com)
- 163.** M Azam, M Amir Zeeshan, Saira Riaz and Shahzad Naseem, “Structural and magnetic properties of MgFe₂O₄ thin films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5705 (www.sciencedirect.com)
- 164.** Aisha Batool, Farah Kanwal, Saira Riaz, Shahid Atiq and Shahzad Naseem, “Effect of non-ionic surfactant on the structural and dielectric properties of polypyrrole”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5710 (www.sciencedirect.com)

165. M Habib, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, "Preparation and characterization of ZnO nanowires and their applications in CO₂ gas sensors", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5714 (www.sciencedirect.com)
166. M Khalid, Waseem Raza, Saira Riaz and Shahzad Naseem, "Simulation and analysis of static and dynamic performance of normally-off 4H-SiC TIVJFET using Sentaurus TCAD", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5720 (www.sciencedirect.com)
167. M Khalid, Saira Riaz and Shahzad Naseem, "Normally-on 4H-SiC Vertical Junction Field Effect Transistor (VJFET): Design and analysis using TCAD simulation", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5726 (www.sciencedirect.com)
168. M Akram Raza, Saira Riaz and Shahzad Naseem, "Size dependant N₂-gas sensing characteristics of gold nanoparticles", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5731 (www.sciencedirect.com)
169. S Mazhar H Shah, Saira Riaz, Shahid Atiq and Shahzad Naseem, "Structural, dielectric and magnetic properties of potassium doped bismuth iron oxide thin films", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5736 (www.sciencedirect.com)
170. Mussarat Fatima, Saira Riaz, Zohra N Kayani and Shahzad Naseem, "Effect of calcination on phase transition in iron oxide nanoparticles", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5743 (www.sciencedirect.com)
171. Farzana Majid, Saira Riaz Adnan Naseer and Shahzad Naseem, "Structural and magnetic properties of BiFe_{1-x}Mn_xO₃ thin films", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5748 (www.sciencedirect.com)
172. Robina Ashraf, Saira Riaz, S Sajjad Hussain and Shahzad Naseem, "Effect of pH on properties of ZnO nanoparticles", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5754 (www.sciencedirect.com)
173. RN Khan, Nasir Ali, Saira Riaz and Shahzad Naseem, "Effect of calcination on properties of cobalt doped ZnO nanoparticles", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5765 (www.sciencedirect.com)
174. Nasir Ali, Mahwish Bashir, Shafaq Batool, Saira Riaz and Shahzad Naseem, "Structural and optical properties of zirconia thin films", Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5771 (www.sciencedirect.com)

- 175.** Mahwish Bashir, Saira Riaz and Shahzad Naseem, “Structural and mechanical properties of sucrose added zirconia thin films”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5777 (www.sciencedirect.com)
- 176.** Imtiaz Ahmad, Mahwish Bashir, Afifa Sadaqat, Saira Riaz and Shahzad Naseem, “Effects of temperature on zirconia nanoparticles during and after synthesis”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5786 (www.sciencedirect.com)
- 177.** Sehrish Gul, Anum Azam, Nazmina Imrose, Saira Riaz and Shahzad Naseem, “Tin oxide thin films prepared by sol-gel for PV application”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5793 (www.sciencedirect.com)
- 178.** Zohra N Kayani, Mehak Butt, Yasmeen Ali, Saira Riaz and Shahzad Naseem, “Structural and optical study of NiO nanoparticles”, Presented at the International Conference on Solid State Physics – 2013, University of the Punjab, Lahore, Pakistan, December 1-6, 2013: Materials Today: Proceedings, Vol. 2, Issue 10, Part B, 2015, 5804 (www.sciencedirect.com)
- 179.** Mahwish Bashir, Saira Riaz, M Saeed Akhtar and Shahzad Naseem, “Synthesis and characterization of Fe₃O₄ stabilized ZrO₂ nanoparticles”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 180.** Zohra N Kayani, S Arshad, Saira Riaz, Rehana Zia and Shahzad Naseem, “Structural characterization and optical properties of cobalt oxide thin films”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 181.** Shahzad Naseem, Farzana Majid and Saira Riaz, “Effect of reaction temperature on structural, magnetic and dielectric properties of bismuth iron oxide nanoparticles”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 182.** M Saeed Akhtar, Saira Riaz, S Sajjad Hussain and Shahzad Naseem, “Magnetic properties of un-doped and Fe-doped ZnS thin films”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 183.** Mahwish Bashir, Saira Riaz and Shahzad Naseem, “Structural and mechanical properties of polymer additive based zirconia thin films prepared by Sol-Gel”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 184.** Mahwish Bashir, Saira Riaz and Shahzad Naseem, “Synthesis and characterization of polymer additives based nanocrystalline zirconia by Sol-Gel method for teeth coatings”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)

- 185.** Aseya Akbar, Saira Riaz, Shahzad Naseem and Aisha Batool, “Effect of pH on structural properties of iron oxide thin films”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 186.** Shumaila Islam, R Abdul Rahman, Saira Riaz, Z Othaman, M Alam Saeed and Shahzad Naseem, “Sol-Gel modified high surface area hybrid nano-composite as pH sensor”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 187.** Shahid Atiq, T Hussain, Saira Riaz and Shahzad Naseem, “Structural and dielectric properties of Zn-doped $MgAl_2O_4$ ”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 188.** Shahid Atiq, M Majid, Saira Riaz and Shahzad Naseem, “Optimizing the synthesis of titanium oxide nano-crystallites using low cost organic fuels”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 189.** Shumaila Islam, R Abdul Rahman, Saira Riaz, Shahzad Naseem, Z Othaman and M Alam Saeed “High surface area SiO_2 - TiO_2 nano-composite as pH sensor”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 190.** M Akram Raza, Saira Riaz and Shahzad Naseem, “Optical sensing of carbon dioxide based on colloidal gold nanoparticles”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 191.** Saira Riaz, M Akram Raza and Shahzad Naseem, “Synthesis and characterization of indium tin oxide nanoparticles”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 192.** M Khalid, Saira Riaz and Shahzad Naseem, “First principle calculation of indium doped ZnO using LDA and GGA approximation”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 193.** Farzana Majid, Saira Riaz, Shahid Atiq and Shahzad Naseem, “Structural, optical and dielectric properties of electrodeposited Al_2O_3 thin films”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 194.** Farzana Majid, Saira Riaz and Shahzad Naseem, “Dielectric properties of sputtered Al_2O_3 thin films”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
- 195.** Aseya Akbar, Saira Riaz, Zohra N Kayani and Shahzad Naseem, “Effect of Co doping on structural properties of hematite thin films”, Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)

196. S Mazhar H Shah, Saira Riaz, Shahid Atiq and Shahzad Naseem, "Structural and dielectric properties of Sol-Gel prepared BiFeO₃ thin films", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
197. Aseya Akbar, Saira Riaz and Shahzad Naseem, "Effect of Al doping on structural and magnetic properties of iron oxide thin films prepared by Sol-Gel method", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
198. M Khalid, Saira Riaz, Shahzad Naseem and M Azam, "Theoretical study of spinel structure of FeAl₂O₄ using Density Functional Theory", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
199. S Mazhar H Shah, Saira Riaz, Shahid and Shahzad Naseem, "Structural and dielectric properties of Bi_{1-x}La_xFeO₃ thin films", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
200. Farzana Majid, Saira Riaz and Shahzad Naseem, "Ferromagnetic and dielectric behavior of bismuth iron oxide nanoparticles under as-synthesized conditions", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
201. Robina Ashraf, Saira Riaz and Shahzad Naseem, "Structural, electronic and optical properties of γ -Fe₂O₃ by ADF", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
202. Robina Ashraf, Saira Riaz and Shahzad Naseem, "Theoretical investigation of effect of cobalt doping on properties of iron oxide by ADF", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
203. Robina Ashraf, Saira Riaz, M Saeed Akhtar and Shahzad Naseem, "Study of structural and electronic properties of iron oxide by ADF", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
204. Aisha Batool, Farah Kanwal, Saira Riaz, A Abbas and Shahzad Naseem, "Study of Polyaniline/maghemite nanocomposites by chemical oxidation", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
205. Saira Riaz, Robina Ashraf, Shumaila Islam and Shahzad Naseem, "Effect of pH on the structural properties of iron oxide nanoparticles", Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea (http://www.i-asem.org/acem14_publication.html)
206. Saira Riaz, Shahzad Naseem and XF Han, "Citric acid coated iron oxide nanoparticles – structural and magnetic properties", IEEE Magnetics Conference (INTERMAG), 11-15 May 2015, Beijing, China

- 207.** Mahwish Bashir, Robina Ashraf, Aseya Akbar, Saira Riaz and Shahzad Naseem, “Effect of calcination on structural and magnetic properties of Co-doped ZnO nanostructures”, IEEE Magnetism Conference (INTERMAG), 11-15 May 2015, Beijing, China
- 208.** Shahid Atiq, SM Ramay, A Mahmood, Saira Riaz and Shahzad Naseem, “Magnetically recyclable Pd-modified NiFe₂O₄ nanoparticles”, IEEE Magnetism Conference (INTERMAG), 11-15 May 2015, Beijing, China
- 209.** Shahid Atiq, SA Siddiqi, HS Ko, Saira Riaz, Shahzad Naseem and SC Shin, “Epitaxial growth and magnetic characterization of γ' Fe₄N thin films”, IEEE Magnetism Conference (INTERMAG), 11-15 May 2015, Beijing, China
- 210.** Syed Sajjad Hussain, M. Imran, Saira Riaz and Shahzad Naseem, “Variations in Structural and Magnetic Properties of Sol-Gel deposited Hematite – Dependence on Annealing Conditions”
- 211.** Syed Sajjad Hussain, Hadia Noor, M Tahir, Saira Riaz, K Abid and Shahzad Naseem, “Surface Studies of La doped Bismuth Iron Oxide Nano-particles by Scanning Kelvin Probe System”
- 212.** Hadia Noor, H Yousaf, MA Naseer, N Iqbal, N Tariq, Saira Riaz and Shahzad Naseem, “Ball Milling Effect on Structural, Optical and Dielectric Properties of Y₂O₃”,
- 213.** Salman Jutt, Saira Riaz and Shahzad Naseem, “Ethylene glycol mediated zirconia based protective teeth coatings - Effect of reaction temperature”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 214.** Ghulshan Ayub, Saira Riaz and Shahzad Naseem, “Preparation and characterization of TiO₂ doped ZrO₂ thin films for dentistry applications”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 215.** Mahwish Bashir, Y-J Guo, Saira Riaz and Shahzad Naseem, “Sol-Gel synthesis of biocompatible TiO₂ doped ZrO₂ nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 216.** Zakia Kanwal, M Akram Raza, Zaeema Usman, Saira Riaz and Shahzad Naseem, “Effect of sub-acute exposure to nickel nanoparticles on haematological, histopathological and biochemical responses in freshwater fish Labeo rohita”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 217.** Maryam Nadeem, M Akram Raza, Zakia Kanwal, Saira Riaz and Shahzad Naseem, “Nanoscale synthesis, characterization and antibacterial studies of nickel nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 218.** Bushra Bukhari, Saira Riaz and Shahzad Naseem, “Formation of zirconia nanostructures using citric acid as additive”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 219.** Natasha Tariq, Nimra Iqbal, Hadia Noor, Saira Riaz and Shahzad Naseem, “Effect of milling time on the structural and dielectric properties of Al₂O₃”, Presented at the International

Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

220. S Kumail Abbas, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Frequency and temperature dependent electrical characterization to study the variation in conductivity and activation energy of SrMnO₃ Nano-crystallites”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
221. S Kumail Abbas, Tanveer Hussain, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Non-linear dielectric behaviour studies of Rietveld refined Mg-substituted zinc aluminate”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
222. Robina Ashraf, M Azam, Tariq Mahmood, Saira Riaz and Shahzad Naseem, “Comparison of structural, optical and magnetic properties of iron oxide by using GGA+U and LDA+U”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
223. Robina Ashraf, Tariq Mahmood, Saira Riaz and Shahzad Naseem, “DFT analysis of iron oxide by using GGA and GGA+U approach in ADF”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
224. Robina Ashraf, Saira Riaz, Tariq Mahmood and Shahzad Naseem, “Effect of Hubbard potential on electronic, structural, optical and magnetic properties of hematite”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
225. Robina Ashraf, Tariq Mahmood, M Azam, Saira Riaz and Shahzad Naseem, “Investigation of electronic, optical and magnetic properties of magnetite by using DFT+U approach”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
226. Robina Ashraf, Saira Riaz, Tariq Mahmood and Shahzad Naseem, “Study of electronic, optical and magnetic properties of maghemite by Density Functional Theory”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
227. Khalil Ahmad and Shahzad Naseem, “Effect of doping densities on internal parameters of ITO/InP solar cells”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
228. Shabana Aziz, Saira Riaz and Shahzad Naseem, “Simulation and modeling of break-down voltage of InGaAs based HEMT using TCAD”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
229. Deborah Eric, Saira Riaz and Shahzad Naseem, “Designing and simulation of IGBT using SYNOPSIS TCAD”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
230. Abdullah Bin Zahid, Saira Riaz and Shahzad Naseem, “Finger type MESFET design on 4H-SiC Material”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 231.** M Javaid Iqbal, Ali Ahmad, M Adnan Naseer, M Imran, Saira Riaz and Shahzad Naseem, “Carbon nanotube network-based Field Effect Transistor”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 232.** Shehla Jabeen, Faiza Arshad, M Javaid Iqbal, M Akram Raza, Saira Riaz and Shahzad Naseem, “Nanoparticles-based MTJ Field Effect Transistor”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 233.** Maryam Basit, Saira Riaz and Shahzad Naseem, “Synthesis and characterization of CdS and CdTe nanoparticles for photovoltaic application”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 234.** Shahid Atiq, Omer Arif, Saira Riaz, Shahid M Ramay, Asif Mahmood and Shahzad Naseem, “Structural and dielectric analysis of M-type BaFe₁₂O₁₉ hexaferrites synthesized by sol-gel auto-combustion”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 235.** Shahid Atiq, Omer Arif, M Burhan Shafqat, Murtaza Saleem, Saira Riaz and Shahzad Naseem, “Influence of sintering temperature on structural, morphological and magnetic properties of barium hexaferrite nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 236.** Zohra N Kayani, Iqra Shah, Saira Riaz and Shahzad Naseem, “Role of Co doping on structural, optical and magnetic properties of ZnO nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 237.** M Imran, M Khaleeq-ur-Rahman, Saira Riaz and Shahzad Naseem, “Controlled phase transition in titania nanoparticles –Effect of calcination temperature”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 238.** M Azam, S Sajjad Hussain, Y-J Guo, Saira Riaz and Shahzad Naseem, “Influence of aluminum incorporation on iron oxide nanoparticles for high frequency application”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 239.** Sumeera Shaheen, Saira Riaz, Arfan Bukhtiar, S Sajjad Hussain and Shahzad Naseem, “Tailoring the magnetic, dielectric and structural properties of cobalt doped α -Fe₂O₃ nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 240.** Farzana Majid, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Size distribution and magnetic optimization of phase pure chromium doped magnetite nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 241.** Sumeera Shaheen, M Khaleeq-ur-Rahman, Arfan Bukhtiar, Saira Riaz and Shahzad Naseem, “Exploration of structural and magnetic properties of iron oxide nanopowders for use

in medical applications”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

242. Farzana Majid, Saira Riaz, M Farooq and Shahzad Naseem, “Mn Doped BiFeO₃ nanostructures with tunable magnetic and dielectric properties”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
243. Saira Riaz, Asif Mehmood, and Shahzad Naseem, “Size dependent ferromagnetism in bismuth iron oxide nanoparticles for magnetoelectric applications”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
244. Wajiha Arif, Saira Riaz, YB Xu and Shahzad Naseem, “Systematic variation in structural, magnetic and dielectric properties of BiFeO₃ nanoparticles by A Site substitution”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
245. Attia Awan, Saira Riaz and Shahzad Naseem, “Controlling the magnetic properties of bismuth iron oxide nanoparticles using thermal treatment”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
246. Sidra Khan, Saira Riaz and Shahzad Naseem, “Effect of Fe/Ca co-doping on the properties of BaTiO₃ nanorods”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
247. Sidra Khan, Saira Riaz and Shahzad Naseem, “Effect of Ca Doping on the properties of BaTiO₃ nanorods”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
248. Sidra Khan, Saira Riaz and Shahzad Naseem, “Preferentially oriented growth of iron oxide nanorods on glass substrate”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
249. S Mudassar Muzafar, Sidra Khan, Saira Riaz and Shahzad Naseem, “Effect on the structural orientation of ZnO nanorods by changing the molarity of the precursor material”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
250. Waqar Azeem, M Adnan Naseer, Saira Riaz and Shahzad Naseem, “Effect of thermal treatment on phase stability of A Site doped bismuth iron oxide - Magnetic and dielectric properties”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
251. Saima Shaukat, M Khaleeq-Ur-Rahman, Usman Illyas, Shahzad Naseem and RS Rawat, “Structural, morphological and optical signatures of Ni doped chromium oxide nanostructured thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
252. Nouraz Mushtaq, M Saeed Akhtar, Naveed Ahmed, Sidra Khan, Saira Riaz and Shahzad Naseem, “Effect of reactants concentration on growth and morphology of ZnO nanorods”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 253.** M Nadeem, Munir Ahmad, M Saeed Akhtar, Imran Altaf, Amiruddin Shaari, Saira Riaz, Shahzad Naseem and M Alam Saeed, "Aqueous suspension and cytotoxicity of uncoated iron oxide nanoparticles", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 254.** Iqra Afzal, M Khaleeq-ur-Rahman, Saira Riaz and Shahzad Naseem, "Effect of pH on structural and dielectric properties of zirconia nanocrystallites", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 255.** Maryam Erum, Shahid Atiq, Saira Riaz and Shahzad Naseem, "Mechanical and dielectric studies of zirconia prepared by sol gel", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 256.** Saira Riaz, Shahid Atiq, and Shahzad Naseem, "Magnetic and dielectric properties of Fe_3O_4 - ZrO_2 nanocomposites", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 257.** Bushra Bukhari, M Khaleeq-ur-Rahman, Saira Riaz and Shahzad Naseem, "Phase transition in zirconia nanoparticles-effect of molarity", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 258.** Nudrat Humera, M Khaleeq-ur-Rahman, Saira Riaz and Shahzad Naseem, "Structural mechanical and morphological properties TiO_2 doped zirconia: Effect of reaction temperature", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 259.** Mahwish Bashir, Y-J Guo, Saira Riaz and Shahzad Naseem, "Enhanced structural, mechanical and morphological properties of Zn doped zirconia nanocrystallites: Effect of synthesis temperature", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 260.** Rabia Akram, Saira Riaz and Shahzad Naseem, "Structural and magnetic properties of electrodeposited iron aluminum oxide nanostructures", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 261.** Shumaila Islam, Noriah Bidin, Siti Suryani Kasbullah, Saira Riaz, Nuraqilah Samsudin and Shahzad Naseem, "Sol-Gel synthesis and characterization of erbium doped mullite nanoparticles", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 262.** Saira Riaz, S Sajjad Hussain, M Asghar Hashmi, Hadia Noor and Shahzad Naseem, "UV photoluminescence of ZnO thin films synthesized by Sol-Gel method", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 263.** Jane Albert, Saira Riaz, Shahid Atiq and Shahzad Naseem, "Systematic magnetic and dielectric investigations of aluminum doped iron oxide thin films", Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 264.** M Shakeel, Sidra Khan, Saira Riaz and Shahzad Naseem, “Investigation of morphological and structural behavior of ZnO nanorods on different substrates”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 265.** Aqsa Shahid, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Impedance analysis of magnesium doped hematite thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 266.** Riffat Irfan, Mahmood Hassan, Ghulam Murtaza, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Structural, ferromagnetic and surface morphological properties of $Zn_{1-x}Zr_xO$ fabricated by co-precipitation method”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 267.** Saima Younas, Mahmood Hassan, Falak Sher, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Synthesis of single phase $Zn_{1-x}Mn_xS$ and study of structural, ferromagnetic and surface morphological characteristics”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 268.** Shamsa Afzal, Saira Riaz and Shahzad Naseem, “Controlled synthesis of zirconia nanoparticles with Fe_2O_3 doping”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 269.** Kiran Idrees, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Enhancement of dielectric properties of methanol stabilized zirconia nanopowders”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 270.** Mahwish Bashir, S Nudrat Humera, Y-J Guo, Saira Riaz and Shahzad Naseem, “Analysis of enhanced mechanical strength in ethylene glycol based ZrO_2 nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 271.** Shahid Atiq, Ayesha Khalid, Shahid M Ramay, Asif Mahmood, Saira Riaz and Shahzad Naseem, “Magneto-electric investigation of (Mn, Cu) co-doped $BiFeO_3$ multiferroics”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 272.** M Amin, Hafiz M Rafique, M Yousaf, Shahid M Ramay, Shahid Atiq and Shahzad Naseem, “Tailoring the structural, morphological and dielectric characteristics of Sr/Mn modified $BiFeO_3$ multiferroics”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 273.** Usman Asghar, M Mustafa, Ayesha Khalid, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Multiferroic characteristics of Ba/Co co-doped $BiFeO_3$ ”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 274.** Zobia Arshad, M Akram Raza, Zakia Kanwal, Saira Riaz and Shahzad Naseem, “Solution based synthesis, characterization and antimicrobial properties of gold nanoparticles”,

Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 275.** M Furqan, M Sajid Shafiq, Shahid Atiq, Murtaza Saleem, Saira Riaz and Shahzad Naseem, “Structural, electrical and magnetic properties of sol-gel synthesized $Zn_{0.95-x}Mn_xFe_{0.05}O$ ($0 \leq x \leq 0.05$) dilute magnetic semiconductors”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 276.** Shahid Atiq, Adnan Afzal, Murtaza Saleem, Shahid M Ramay, Saadat Anwar Siddiqi, Saira Riaz and Shahzad Naseem, “Sol-gel synthesis and investigation of structural, morphological and magnetic properties of Cr_2O_3 and $MnCr_2O_4$ nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 277.** Shumaila Islam, Noriah Bidin, Ganesan Krishnan, Saira Riaz and Shahzad Naseem, “Development of Sol-Gel based nanoscale heterogeneous materials as photocatalyst”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 278.** Amna Ali, Saira Riaz, Arfan Bukhtiar, YB Xu and Shahzad Naseem, “Size controlled structural and magnetic properties of inverse spinel iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 279.** Asif Hussain, Saira Riaz, Shahid Atiq, S Sajjad Husain and Shahzad Naseem, “Role of Fe^{3+}/Fe^{2+} on magnetization and dielectric properties of sol-gel deposited magnetite thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 280.** S Zaheer H Shah, Shumaila Islam, Y-J Guo, Saira Riaz and Shahzad Naseem, “Sol-Gel synthesis of iron oxide nanoparticles – Effect of molar concentration”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 281.** M Imran, Saira Riaz, Shahid Atiq, YB Xu and Shahzad Naseem, “Effect of 3d metal doping on ferromagnetism and dielectric properties of magnetite thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 282.** Saira Riaz and Shahzad Naseem, “Magnetic investigations of crystalline and non-crystalline iron oxide nanoparticles for cancer therapy”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 283.** S Zaheer H Shah, Shumaila Islam, Y-J Guo, Saira Riaz and Shahzad Naseem, “Impact of manganese doping on microstructural, magnetic and dielectric properties of corundum iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 284.** M Tahir, Saira Riaz, Shahid Atiq, S Sajjad Hussain and Shahzad Naseem, “Tuning the dielectric and optical properties of bismuth iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 285.** M Adnan Naseer, Saira Riaz, Shahid Atiq and Shahzad Naseem, “Phase stability of A Site doped bismuth iron oxide nanoparticles – Magnetic and dielectric properties”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 286.** Hafiza Amna Siddiqi, Saira Riaz and Shahzad Naseem, “Effect of calcination temperature on structural and mechanical properties of ZnO-doped zirconia nanoparticles by sol-gel”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 287.** Hafiza Syeda Faiza, Saira Riaz and Shahzad Naseem, “Ethylene glycol mediated structural, mechanical and optical properties of ZrO₂ thin films prepared by sol gel method”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 288.** Mahwish Bashir, Saira Riaz and Shahzad Naseem, “Structural, optical and mechanical properties of organic additive based zirconia thin films prepared by sol-gel”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 289.** Zohra N Kayani, Saima Irum, Bareera Zulfiqar, Saira Riaz and Shahzad Naseem, “Effect of cobalt doping on structural and magnetic properties of Co doped ZnO thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 201
- 290.** Zohra N Kayani, Bareera Zulfiqar, Iqra Shah, Saira Riaz and Shahzad Naseem, “Role of aluminium doping on electrical, structural and magnetic properties of Al doped CoZnO thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 291.** Hassan Yousaf, Saira Riaz, Asif Mehmood and Shahzad Naseem, “Structural and optical investigations of Sol-Gel synthesized iron oxide thin films for solar radiation filters”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 292.** Asif Hussain, Saira Riaz, Hadia Noor and Shahzad Naseem, “Effect of Fe₂O₃ on structural and magnetic properties of half metallic Fe₃O₄ thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 293.** Saba Mustafa, Saira Riaz, Shahid Atiq and Shahzad Naseem, “Magnetic and dielectric investigations of cobalt doped α -Fe₂O₃ thin films for spintronic applications”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 294.** Hassan Yousaf, Saira Riaz, YB Xu, Shahid Atiq and Shahzad Naseem, “Variations in optical and dielectric properties of transition metal doped polycrystalline iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 295.** Aqsa Shahid, Saira Riaz, Zohra N Kayani and Shahzad Naseem, “Structural, magnetic and dielectric properties of nickel doped hematite thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 296.** M Tahir, Saira Riaz, S Sajjad Hussain, Shahid Atiq, M Farooq and Shahzad Naseem, “Dependence of dielectric and optical [properties on Ni³⁺ doping in multiferroic BiFeO₃ thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 297.** M Tahir, Saira Riaz and Shahzad Naseem, “Optical investigation of B Site doped bismuth iron oxide thin films for advanced photonic applications”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 298.** Hadia Noor, Saira Riaz and Shahzad Naseem, “Band gap tailoring of A site doped BiFeO₃ coatings for optoelectronic devices”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 299.** Samar Tariq, Sajid ur Rehman, Saira Riaz and Shahzad Naseem, “Structural and magnetic properties of iron aluminium oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 300.** Urfa Munir, Kanwal Akhtar, Saira Riaz and Shahzad Naseem, “Post thermal treatment of electrodeposited iron aluminum oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 301.** Rida Ahmed, Saira Riaz and Shahzad Naseem, “Sol gel synthesized TiO₂ doped zirconia thin films - structural, mechanical and optical properties”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 302.** Aseya Akbar, Arfan Bukhtiar, Saira Riaz and Shahzad Naseem, “Effect of barium doping on strengthened structural and magnetic properties of bismuth iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 303.** Aseya Akbar, Saira Riaz, Arfan Bukhtiar, Hadia Noor, Shahid Atiq and Shahzad Naseem, “Magnetization and dielectric properties of Sol-Gel deposited magnetite thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 304.** Unaiza Nafees, Saira Riaz and Shahzad Naseem, “Magnetic and magnetization properties of MF annealed magnesium iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 305.** Aseya Akbar, Saira Riaz, Asif Mehmood, Arfan Bukhtiar, Shahid Atiq, Shahid M Ramay and Shahzad Naseem, “Structural, magnetic and dielectric properties of Fe₂O₃ thin films – Effect of Fe³⁺ / Fe²⁺ ratio”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 306.** Salman Jutt, Saira Riaz and Shahzad Naseem, “Stabilization of zirconia ceramics for dental coatings - variation in synthesis temperature”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 307.** Shamsa Afzal, Saira Riaz and Shahzad Naseem, “Synthesis and characterization of iron oxide doped zirconia nanoparticles – NH₃ as gelation agent”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 308.** Imtiaz Ahmad, Saira Riaz and Shahzad Naseem, “Synthesis of bio-compatible magnetite stabilized zirconia thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 309.** Shahid Atiq, Ayesha Khalid, Maryam Ali, Shahid M Ramay, Asif Mahmood, Ghulam M Mustafa and Shahzad Naseem, “Structural and dielectric properties of (Mn, Cu) co-doped BiFeO₃ ceramics”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 310.** S Kumail Abbas, Hafiz M Amir, Shahid Atiq, Murtaza Saleem, Saira Riaz and Shahzad Naseem, “Optimization of structural and electrical characteristics via chemically controlled Ba substitution in strontium manganese based perovskites”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 311.** Hafiz M Amir, M Adnan Aslam, S Kumail Abbas, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Effect of Ba substitution at Sr site on the electrical impedance functionality of nanostructured SrMnO₃ hexagonal perovskites”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 312.** Zohra N Kayani, Rabia Ishaque, Aroosha Munir, Saira Riaz and Shahzad Naseem, “Microstructure evolution of Al doped CoZnO films derived from dip coating Sol-Gel technique”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 313.** Nimra Riaz, Debrah Eric, Saira Riaz and Shahzad Naseem, “Modelling and simulation of planar and pyramid LED structures”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 314.** Shabana Aziz, Iqra Arshad, Saira Riaz and Shahzad Naseem, “Analysis of DC characteristics of heterojunction bipolar junction transistor using Sentaurus TCAD”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 315.** Syeda Nosheen Zohra, Saira Riaz and Shahzad Naseem, “Modeling and simulation of silicon NMOS by using Sentaurus TCAD”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 316.** Ayman Maqsood, Debroach Eric, Saira Riaz and Shahzad Naseem, “Simulation and modeling of edge emitting diode laser using GaAs/AlGaAs by TCAD”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 317.** Fakhira Miraj, Sidra Bashir, Saira Riaz and Shahzad Naseem, “Modelling and simulation of silicon PMOS by using Sentaurus TCAD”, Presented at the International Conference on Solid

State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 318.** Kiran Idrees, Saira Riaz and Shahzad Naseem, “Endurance/Life Cycle test for MEMS switch”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 319.** Jane Albert, Saira Riaz and Shahzad Naseem, “Fabrication and optimization of $\text{Co}_{75}\text{Fe}_{25}$ granular magnetic tunnel junctions”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 320.** Abdullah Abid, Mahmood Hassan, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Temperature dependence of structural, morphological, electrical and magnetic properties of BiFeO_3 prepared by co-precipitation method”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 321.** Natasha Tariq, Saira Riaz and Shahzad Naseem, “Fabrication and exchange bias studies in Fe doped TiO_2 nanowires”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 322.** Ghulam M Mustafa, Shahid Atiq, M Raza, Saira Riaz, Shahzad Naseem and Ijaz M Ghauri, “Microbiological influenced corrosion of stainless steel SS-304”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 323.** Sumeera Shaheen, Saira Riaz, Arfan Bukhtiar, YB Xu and Shahzad Naseem, “Complex impedance spectroscopy of chromium substituted iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 324.** Saira Riaz, Zohra N kayani and Shahzad Naseem, “Size induced magnetic and structural phase transition in iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 325.** Aseya Akbar, Arfan Bukhtiar, Saira Riaz and Shahzad Naseem, “Structural and magnetic properties of monodispersed iron oxide nanoparticles for use in magnetic resonance imaging”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 326.** S Zaheer H Shah, Shumaila Islam, Saira Riaz, Y-J Guo, Asif Mehmood and Shahzad Naseem, “Effect of calcination temperature on Sol-Gel synthesized iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 327.** Saira Riaz, Zohra N Kayani, Shahid Atiq and Shahzad Naseem, “Mirostructural and dielectric characterization of magnesium incorporated iron oxide nanopowders”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 328.** M Imran, Saira Riaz, Zohra N kayani, Shahid Atiq and Shahzad Naseem, “Study of magnetic and dielectric behaviour of Ni doped Fe_2O_3 nanopowders”, Presented at the

- 329.** Waqar Azeem, Wajiha Arif, Saira Riaz, Shahid Atiq and Shahzad Naseem, “Effect of molar concentration on structural, magnetic and dielectric properties of Sol Gel synthesized bismuth iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 330.** Attia Awan, Saira Riaz and Shahzad Naseem, “Experimental evidence of enhanced magnetization in phase pure bismuth iron oxide nanoparticles - Effect of synthesis temperature”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 331.** Sidra Khan, Saira Riaz and Shahzad Naseem, “Effect of reaction time on the growth of ZnO nanorods”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 332.** Sajid Ali, Sidra Khan, Saira Riaz, Shahid Atiq and Shahzad Naseem, “Investigation of structural, optical and dielectric behavior of ZnO nanorods on different substrates”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 333.** Sidra Khan, Saira Riaz and Shahzad Naseem, “Structural transformation of single-crystal BaTiO₃ nanorods to nanoparticles by tuning the reaction time”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 334.** Sidra Khan, Saira Riaz and Shahzad Naseem, “Chemical Synthesis of Ba(TiO₃) nanorods – Structural and Dielectric Properties”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 335.** Waqar Azeem, Saira Riaz, Shahid Atiq and Shahzad Naseem, “Tunable magnetic and dielectric properties of BiFeO₃ nanoparticles – effect of lanthanum doping”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 336.** Waqar Azeem, S Sajjad Hussain, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Calcination mediated size dependent magnetic and dielectric properties of potassium doped bismuth iron oxide nanopowders”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 337.** Mubashir Javed, Saira Raiz and Shahzad Naseem, “Detailed investigations of structural and magnetic properties of electrodeposited iron aluminum oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 338.** Hira Ishaq, Saira Riaz and Shahzad Naseem, “Effect of reaction time on electrodeposited iron aluminium oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 339.** Muntaha Niaz, Usman Khan, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Structural, magnetic and dielectric properties of electrodeposited iron aluminum oxide nanostructures”,

Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

340. M Nadeem, Munir Ahmad, M Saeed Akhtar, Amiruddin Shaari, Saira Riaz, Shahzad Naseem and M Alam Saeed, “Significance of size and shape of iron oxide nanoparticles for drug delivery application”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
341. Fatima Aslam, Umair, Bushra Parveen, Mahmood Hassan, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Structural and ferromagnetic study of $Zn_{1-x}Mn_xO$ with nano-rod like surface morphology”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
342. Sajid ur Rehman, Adil Munir, Saira Riaz and Shahzad Naseem, “Effect of cobalt doping on structural and magnetic properties of iron aluminum oxide nanostructures”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
343. Hafiza Amna Siddiqi, Saira Riaz and Shahzad Naseem, “Effect of calcination temperature on methanol added zirconia nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
344. Iqra Afzal, Saira Riaz and Shahzad Naseem, “Structural, morphological and mechanical properties of zirconia nanoparticles for bone implants”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
345. Maryam Erum, Saira Riaz and Shahzad Naseem, “Effect of stirring rate on organic additives stabilized zirconia nanostructures”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
346. S Mudassar Muzaffar, M Saeed Akhtar, Saira Riaz and Shahzad Naseem, “Solution growth of ZnO nanorods: Influence of experimental methodology”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
347. Saira Riaz, Usman Khan and Shahzad Naseem, “Fabrication and magnetic characterization of Bi-Fe based topological insulators”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
348. Mahwish Bashir, Y-J Guo, Saira Riaz and Shahzad Naseem, “Effect of sintering temperature on structural and magnetic properties of Fe_3O_4 doped zirconia nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
349. Abbas Khan, Abdullah Bin Zahid, Shahzad Naseem and Saira Riaz, “TCAD based designing and simulation of GaN detector”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
350. Shumaila Islam, Noriah Bidin, Ganesan Krishnan, Saira Riaz and Shahzad Naseem, “Synthesis and characterization of Ni doped silica-titania nano-composites as magnetic

photocatalyst”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 351.** Awais Asif, Mahmood Hassan, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Effect of Zr substitution on structural, morphological, electrical and magnetic properties of BiFeO₃” Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 352.** Bushra Parveen, Zeeshan Khalid, Fatima Aslam, Mahmood Hassan, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Morphological and structural characterization of Ni doped TiO₂ thin film with room temperature ferromagnetism”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 353.** Sobia Hanif, Mahmood Hassan, Saira Riaz, Shahzad Naseem and Shahid Atiq, “Structural, surface morphological, dielectric and magnetic properties of BiMnO₃” Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 354.** Misbah Ghazanfer, Nooria Arooj, Mahmood Hassan, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Structural, magnetic and surface morphological studies of Zn_{1-x}Fe_xS grown by co-precipitation”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 355.** Mahwish Bashir, Y-J Guo, Saira Riaz and Shahzad Naseem, “Monoclinic to tetragonal phase transition in room temperature synthesized zirconia nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 356.** Hafiza Syeda Faiza, Y-J Guo, Saira Riaz and Shahzad Naseem, “Synthesis and characterization of organic additives based nanocrystalline zirconia by sol gel method for teeth coatings”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 357.** S Nudrat Humera, Saira Riaz and Shahzad Naseem, “Modifications in optical properties of zirconia thin films induced by citric acid”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 358.** Bushra Bukhari, Y-J Guo, Saira Riaz and Shahzad Naseem, “Structural, Optical and Mechanical properties of zirconia ceramics for teeth coatings: Effect of polymer (methanol) content”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 359.** Bushra Bukhari, Y-J Guo, Saira Riaz and Shahzad Naseem, “Phase evaluation in Fe₃O₄ doped zirconia based nanocomposites”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 360.** S Nudrat Humera, Y-J Guo, Saira Riaz and Shahzad Naseem, “Controlled nanostructuring of phase pure tetragonal zirconia nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 361.** Maria Majeed, Shahid Atiq, S Kumail Abbas, Murtaza Saleem, Saira Riaz and Shahzad Naseem, “Effect of Zn substitution at Ni-site on structural, morphological, magnetic and electrical properties of Ni-Zn ferrite nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 362.** Aqsa Ahmad, Maria Majeed, Shahid Atiq, Shahid M Ramay, Asif Mahmood, Saira Riaz and Shahzad Naseem, “Tailoring the structural and dielectric characteristics of Zn substituted Ni ferrite synthesized by sol-gel”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 363.** M Yousaf, Hafiz M Rafique, M Amin, Shahid M Ramay, Shahid Atiq and Shahzad Naseem, “Influence of Mn substitution on electrical and magnetic based spintronic characteristics of ZnO”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 364.** Sidra Zawar, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Influence of Mn substitution at Zn-site on structural, morphological and magnetic properties of $Mn_xZn_{1-x}Fe_2O_4$ ($x = 0.0, 0.1, 0.3, 0.4$ & 0.5) nanoclusters”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 365.** Anum Rauf, M Akram Raza, Saira Riaz and Shahzad Naseem, “Synthesis and characterization of solution based Silver nanoparticles prepared by different chemical methods”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 366.** Shahid Atiq, Zahoor Ahmad, Shahid M Ramay, S Kumail Abbas, Asif Mahmood, Saira Riaz and Shahzad Naseem, “Structural and complex impedance spectroscopic studies of Mg-substituted $CoFe_2O_4$ nanocrystallites”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 367.** M Furqan, Safeera Zaineb, Shahid Atiq, Shahid M Ramay, Asif Mahmood, Saira Riaz and Shahzad Naseem, “Influence of Mn doping on structure, morphology and electrical properties of $Zn_{0.95-x}Mn_xFe_{0.05}O$ ($0 \leq x \leq 0.05$) DMS nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 368.** Shahid Atiq, Samina Nazli, Murtaza Saleem, Shahid M Ramay, Saadat A Siddiqi, Saira Riaz and Shahzad Naseem, “Investigation of dielectric and multiferroic properties of structurally refined Cr_2O_3 and $MnCr_2O_4$ nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 369.** Shumaila Islam, Noriah Bidin, Saira Riaz, Ganesan Karishna and Shahzad Naseem, “Effect of temperature on mesoporous nanomaterials constructed by Sol-Gel method for sensing applications”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 370.** Amna Ali, Arfan Bukhtiar, Saira Riaz and Shahzad Naseem, “Effect of Fe^{3+}/Fe^{2+} ratio on structural, dielectric and magnetic properties of iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 371.** S Zaheer H Shah, Saira Riaz and Shahzad Naseem, “Structural, electrical and magnetic properties of Fe_2O_3 nanoparticles – surfactant free Sol-Gel route”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 372.** Sumeera Shaheen, Arfan Bukhtiar, Saira Riaz and Shahzad Naseem, “Synthesis, modifications and characterizations of cobalt doped magnetic nanoparticles for bio medical applications”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 373.** Aseya Akbar, Saira Riaz, S Sajjad Hussain and Shahzad Naseem, “Magnetic nano films of Cr doped iron oxide for magnetic random access memories”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 374.** Amna Ali, Saira Riaz, Arfan Bukhtiar, YB Xu and Shahzad Naseem, “Controlled synthesis and magnetization of super para magnetic $\gamma\text{-Fe}_2\text{O}_3$ nanoparticles for nanovectors”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 375.** M Imran, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Low Temperature synthesis of phase pure bismuth iron oxide nanoparticles – structural, dielectric and magnetic properties”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 376.** Hina Zahra, Farzana Majid, Saira Riaz and Shahzad Naseem, “Effect of organic solvent on Sol-Gel synthesis of bismuth iron oxide nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 377.** M Tahir, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Modified structural and dielectric properties of calcium incorporated bismuth iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 378.** Sidra Khan, Shahid Atiq, Saira Riaz and Shahzad Naseem, “Influence of Fe doping on the structure, dielectric and magnetic properties of BaTiO_3 ”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 379.** Wajiha Arif, Attia Awan, Saira Riaz and Shahzad Naseem, “Effect of calcination time on microstructure, magnetic and dielectric properties of bismuth ferrites nanoparticles”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 380.** Farzana Majid, Saira Riaz, Shahid Atiq and Shahzad Naseem, “Size confinement and dielectric investigation of La^{3+} doped multiferroic BiFeO_3 nanopowders”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 381.** Hadia Noor, Saira Riaz, S Sajjad Hussain and Shahzad Naseem, “Dispersion studies of lanthanum substituted BiFeO_3 thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 382.** Rida Ahmed, Y-J Guo, Saira Riaz and Shahzad Naseem, “Microstructural and mechanical properties of calcined glucose-fructose added zirconia nanoparticles prepared by Sol-Gel”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 383.** Zohra N Kayani, Aroosha Munir, Rabia Ishaque, Saira Riaz and Shahzad Naseem, “Fabrication of Al doped MnZnO thin films and their characterization”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 384.** Zohra N Kayani, Gulnaz Fatima, Turfa Kausar, Saira Riaz and Shahzad Naseem, “Effect of Al % on electrical, structural and magnetic properties of Al doped NiZnO thin film”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 385.** Zohra N Kayani, Turfa Kausar, Gulnaz Fatima, Saira Riaz and Shahzad Naseem, “Structural and optical properties of Al doped MnZnO thin films synthesized by the Sol-Gel technique”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 386.** Zohra N Kayani, Mehwish Saleem, Zobia Saleem, Saira Riaz, Shahzad Naseem and Farhat Saleemi, “Dip coating of TiO₂ thin films on CR-39 and characterizations”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 387.** Zohra N Kayani, Zobia Saleem, Mehwish Saleem, Saira Riaz, Shahzad Naseem and Farhat Saleemi, “Synthesis and characterization of anti fogging titanium dioxide thin film on polymer”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 388.** Zohra N Kayani, Iqra Shah, Saima Iram, Saira Riaz and Shahzad Naseem, “Effect of number of coatings on the characteristic of Co doped ZnO thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 389.** M Azam, Saira Riaz and Shahzad Naseem, “Structural, magnetic, dielectric and optical properties of iron doped titania thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 390.** Asif Hussain, Saira Riaz, Zohra N kayani and Shahzad Naseem, “Annealing mediated structural and magnetic properties of chromium doped iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 391.** Saba Mustafa, Saira Riaz, Zohra N kayani, Shahid Atiq and Shahzad Naseem, “Thermally induced structural and magnetic transitions in thin iron oxide films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 392.** Sama Sulaiman, Saira Riaz, Zohra N Kayani and Shahzad Naseem, “Controlled phase transitions in iron oxide thin films - Structural, magnetic and dielectric properties”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 393.** Hassan Yousaf, Saira Riaz and Shahzad Naseem, “Ex-Situ variable angle spectroscopic ellipsometry of iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 394.** M Adnan Naseer, Saira Riaz, Zohra N Kayani and Shahzad Naseem, “Thickness dependent magnetic and dielectric behaviour of iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 395.** M Adnan Naseer, Saira Riaz, M Farooq and Shahzad Naseem, “Preparation and characterization of iron oxide thin films for advanced applications”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 396.** Hassan Yousaf, Saira Riaz and Shahzad Naseem, “Exploration of optical properties of phase pure bismuth iron oxide thin films using variable angle spectroscopic ellipsometry”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 397.** M Tahir, Saira Riaz, Asif Mehmood and Shahzad Naseem, “Detailed investigation of dielectric properties of bismuth iron oxide thin films using impedance analyzer”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 398.** Hadia Noor, Saira Riaz, S Sajjad Hussain and Shahzad Naseem, “Phase controlled magnetization in Bi-Fe-O_x multiferroic thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 399.** Sama Sulaiman, Saira Riaz and Shahzad Naseem, “Detailed investigation of multiferroic bismuth iron oxide coatings for advanced applications”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 400.** Gulshan Ayub, Saira Riaz and Shahzad Naseem, “Comprehensive study of Fe₃O₄ doped zirconia thin films for bio coatings”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 401.** Ali Hassan, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Optical tailoring of RF magnetron sputtered ZnO thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 402.** M Azam, Saira Riaz and Shahzad Naseem, “Controlled phase transition in aluminum doped iron oxide thin films – Effect of annealing temperature”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 403.** Saira Riaz and Shahzad Naseem, “Room temperature aging time effect on structural and optical properties of metastable tetragonal zirconia”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015

- 404.** Suniya Siddique, S Sajjad Hussain, Saira Riaz and Shahzad Naseem, “Structural and magnetic characterization of electrodeposited magnesium iron oxide thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 405.** Manzar Mashaf Yaqoob, Saira Riaz and Shahzad Naseem, “Structural and dielectric properties of electrodeposited $MgFe_2O_4$ thin films”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 406.** Saira Riaz, Usman Khan and Shahzad Naseem, “Electrochemical preparation and characterization of room temperature L10 ordered $Co_{1-x}Pt_x$ thin films and nanowires”, Presented at the International Conference on Solid State Physics – 2015 (ICSSP’15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015
- 407.** Mahwish Bashir, Saira Riaz, M Akram Raza, Shahzad Naseem and Noureen Iqbal, “Stabilization of zirconia ceramics for dental coatings - Effect of aging conditions”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T2H.1.MR373_1548F1.pdf)
- 408.** M Akram Raza, Zakia Kanwal, Saira Riaz and Shahzad Naseem, “Synthesis, characterization and antibacterial properties of nano-sized cobalt particles”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T2H.2.MR373_1375F1.pdf)
- 409.** Zakia Kanwal, M Akram Raza, Saira Riaz and Shahzad Naseem, “Impact of chromium nanoparticles on haematological, immunological and histological parameters of *Labeo rohita*” Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T2H.3.MR373_1376F1.pdf)
- 410.** Zakia Kanwal, M Akram Raza, Saira Riaz and Shahzad Naseem, “Changes in biochemical, haematological and histopathological parameters of freshwater fish *Labeo rohita* exposed to cobalt nanoparticles”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T2H.4.MR373_1377F1.pdf)
- 411.** M Akram Raza, Zakia Kanwal, Saira Riaz and Shahzad Naseem, “Antibacterial performance of chromium nanoparticles against *Escherichia coli*, and *Pseudomonas aeruginosa*”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T2H.5.MR373_1378F1.pdf)
- 412.** Zohra N Kayani, Saira Riaz, Shahzad Naseem and Rehana Zia, “Synthesis and characterization of Ni_2O_3 thin films”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3F.1.MR375_0772F1.pdf)

- 413.** Aseya Akbar, Saira Riaz, S Sajjad Hussain, Shahid Atiq, YB Xu and Shahzad Naseem, "Systematic magnetic and dielectric investigations of aluminum doped iron oxide thin films", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3F.2.MR375_1553F1.pdf)
- 414.** M Adnan Naseer, Attia Awan, Saira Riaz, Shahid Atiq and Shahzad Naseem, "Tuning the dielectric & optical properties of BiFeO₃ thin films", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3F.3.MR375_1555F1.pdf)
- 415.** Aseya Akbar, Saira Riaz, Shahid Atiq, Zohra N Kayani and Shahzad Naseem, "Effect of 3d-Metal doping on ferromagnetic and dielectric properties of magnetite thin films", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3F.4.MR375_1556F1.pdf)
- 416.** Aseya Akbar, Saira Riaz, Shahid Atiq, Javaid Iqbal and Shahzad Naseem, "Impedance analysis of magnesium doped hematite thin films", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3F.5.MR375_1557F1.pdf)
- 417.** Saira Riaz, Usman Khan, YB Xu, Shahzad Naseem and Attia Awan, "Effect of Fe₂O₃ on structural and magnetic properties of half metallic Fe₃O₄ thin films", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3F.6.MR375_1558F1.pdf)
- 418.** Saira Riaz, Aseya Akbar, Shahid Atiq, S Sajjad Hussain and Shahzad Naseem, "Thickness dependent magnetic and dielectric behavior of iron oxide thin films", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3F.7.MR375_1559F1.pdf)
- 419.** Saira Riaz, Hassan Yousaf, Shumaila Islam, Zohra N Kayani and Shahzad Naseem, "Ex-situ variable angle spectroscopic ellipsometry of iron oxide thin films", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3F.8.MR375_1560F1.pdf)
- 420.** Noreen Iqbal, Saira Riaz, Y-G Guo and Shahzad Naseem, "Sol-gel synthesis of biocompatible TiO₂ doped ZrO₂ nanoparticles", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3H.2.MR373_1456F1.pdf)
- 421.** Saira Riaz, S Sajjad Hussain and Shahzad Naseem, "Structural and magnetic properties of monodispersed iron oxide nanoparticles for use in magnetic resonance imaging", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research

(ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3H.3.MR373_1457F1.pdf)

- 422.** Mahwish Bashir, Iqra Abbas, Y-J Guo, Saira Riaz and Shahzad Naseem, "Structural, morphological and mechanical properties of zirconia nanostructures for bone implantations", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3H.4.MR373_1458F1.pdf)
- 423.** Mahwish Bashir, Iqra Abbas, Saira Riaz and Shahzad Naseem, "Effect of stirring rate on organic additives stabilized zirconia nanostructures", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T3H.5.MR373_1463F1.pdf)
- 424.** Saira Riaz, Asif Hussain, Y-J Guo, M Khaleeq-ur-Rahman and Shahzad Naseem, "Influence of aluminum incorporation on iron oxide nanoparticles for high frequency applications", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.1.MR374_1551F1.pdf)
- 425.** Saira Riaz, M Akram Raza, Shumaila Islam, Y-J Guo and Shahzad Naseem, "Enhancement of dielectric properties of methanol stabilized zirconia nanopowders", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.2.MR374_1552F1.pdf)
- 426.** Sajid-ur-Rahman, Saira Riaz, S Sajjad Hussain, YB Xu and Shahzad Naseem, "Effect of oxidation time on electrodeposited iron aluminum oxide nanoparticles", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.3.MR374_1561F1.pdf)
- 427.** Sobia Saher, M Khaleeq-ur-Rahman, Saira Riaz and Shahzad Naseem, "Structural investigation of stacked multilayer magnetic/nonmagnetic nanowires", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.4.MR374_1586F1.pdf)
- 428.** Shumaila Islam, N Bidin, KN Abbas, Saira Riaz, Shahzad Naseem and G Krishnan, "Synthesis and characterization of optically active Zn-doped silica- titania nano-composites for sensing applications", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.5.MR374_0838F1.pdf)
- 429.** Sajid-ur-Rehman, M Javaid Iqbal, Saira Riaz and Shahzad Naseem, "Fabrication and characterization of chemically prepared ZnO nanotubes based sensors", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.6.MR374_1615F1.pdf)

- 430.** Shahid Atiq, S Kumail Abbas, Saira Riaz and Shahzad Naseem, “Frequency and temperature dependent electroactive regions in SrMnO_3 ”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.7.MR374_1152F1.pdf)
- 431.** Shahid Atiq, M Hamza Assi, Shahid M Ramay, Saira Riaz and Shahzad Naseem, “Synthesis and characterization of Mg substituted CoFe_2O_4 magnetic photocatalysts”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.8.MR374_1154F1.pdf)
- 432.** Hadia Noor, Natasha Tariq, Nimra Iqbal, Saira Riaz and Shahzad Naseem, “Effect of milling time on structural and dielectric properties of Al_2O_3 ”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.9.MR374_1466F1.pdf)
- 433.** S Nudrat Humera, Hadia Noor, Saira Riaz and Shahzad Naseem, “Dielectric and structural analysis of barium titanate nanoparticles prepared by nano ball milling technique”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.10.MR374_1467F1.pdf)
- 434.** Rida Ahmed, Saira Riaz, M Khaleeq-ur-Rahman and Shahzad Naseem, “Effect of pH on structural and dielectric properties of zirconia nanocrystallites”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.11.MR374_1468F1.pdf)
- 435.** Mahwish Bashir, Aseya Akbar, Saira Riaz, Shahzad Naseem and Sobia Saher, “Magnetic and dielectric properties of methanol added Fe_3O_4 - ZrO_2 nanocomposites”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/T4H.12.MR374_1477F1.pdf)
- 436.** S Sajjad Hussain, Hadia Noor, Saira Riaz, M Asghar Hashmi and Shahzad Naseem, “UV Photoluminescence of ZnO nanostructures based thin films synthesized by sol gel method”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/W2H.1.MR372_1593F1.pdf)
- 437.** Usman Khan, Nairan Adeela, Saira Riaz and Shahzad Naseem, “Hybrid core/shell nanostructures: Response towards structural and morphological properties”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/W2H.2.MR372_1090F1.pdf)
- 438.** Nairan Adeela, Usman Khan, M Iqbal, Saira Riaz and Shahzad Naseem, “Study of structural and magnetic response in metallic (M= Ni,Co)/ CoO core-shell nanowires”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16),

August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea ([http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.3.MR372_1091F1.pdf](http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.3.MR372_1091F1.pdf))

- 439.** M Tahir, Saira Riaz, M Akram Raza and Shahzad Naseem, “Systematic variation in structural and magnetic properties of BiFeO₃ nanoparticles by A-site substitution”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea ([http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.4.MR372_1389F1.pdf](http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.4.MR372_1389F1.pdf))
- 440.** M Tahir, Farzana Majid, Saira Riaz and Shahzad Naseem, “Size dependent ferromagnetism in bismuth iron oxide nanoparticles for magnetoelectric applications”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea ([http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.5.MR372_1390F1.pdf](http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.5.MR372_1390F1.pdf))
- 441.** Zaheer H Shah, Saira Riaz, Zohra N Kayani and Shahzad Naseem, “Size distribution and magnetic optimization of phase pure chromium doped magnetite nanoparticles”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea ([http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.6.MR372_1392F1.pdf](http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.6.MR372_1392F1.pdf))
- 442.** Attia Awan, Saira Riaz, Adeela Nairan, YB Xu and Shahzad Naseem, “Tunable magnetic and dielectric properties of BiFeO₃ nanoparticles – Effect of lanthanum doping”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea ([http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.7.MR372_1408F1.pdf](http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W2H.7.MR372_1408F1.pdf))
- 443.** M Imran, Saira Riaz, Zohra N Kayani and Shahzad Naseem, “Study of magnetic and dielectric behaviour of Ni doped Fe₂O₃ nanopowders”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea ([http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W3H.1.MR372_1409F1.pdf](http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W3H.1.MR372_1409F1.pdf))
- 444.** M Imran, Rabia Akram, Saira Riaz, Zohra N Kayani and Shahzad Naseem, “Structural and magnetic properties of electrodeposited iron aluminum oxide nanostructures”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea ([http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W3H.2.MR372_1410F1.pdf](http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W3H.2.MR372_1410F1.pdf))
- 445.** M Imran, S Mudassar Muzaffar, Saira Riaz and Shahzad Naseem, “Controlled phase transition in titania nanoparticles – Effect of calcination temperature”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea ([http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W3H.3.MR372_1411F1.pdf](http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W3H.3.MR372_1411F1.pdf))
- 446.** S Mudassar Muzaffar, Sidra Khan, Saira Riaz and Shahzad Naseem, “Effect on structural orientation of ZnO nanorods by changing the molarity and reaction time”, Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea ([http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W3H.4.MR372_1412F1.pdf](http://www.i-
asem.org/publication_conf/acem16/6.ICAM16/W3H.4.MR372_1412F1.pdf))

447. Saira Riaz, Shahzad Naseem and Usman Khan, "Investigation of exchange bias in iron oxide nanoparticles based multilayered structure", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/W3H.5.MR372_1431F1.pdf)
448. Zaheer H Shah, Saira Riaz, Zohra N Kayani and Shahzad Naseem, "Tailoring the magnetic, dielectric and structural properties of cobalt doped α -Fe₂O₃ nanoparticles", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/W3H.7.MR372_1211F1.pdf)
449. SA Shabbir, S Shumaila, R Sharif, Saira Riaz and Shahzad Naseem, "Three dimensional transition solid elements for mesh gradation", Presented at The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea (http://www.i-asem.org/publication_conf/acem16/6.ICAM16/W3H.8.MR372_1253F1.pdf)
450. S Riaz, F Majid, S Naseem, "Structural, Dielectric and Magnetic Properties of Sol-gel synthesized Bi_{1-x}La_xFeO₃ Nanoparticles (x= 0.3)" Published in Nanotechnology (IEEE-NANO), 2016 IEEE 16th International Conference on Nanotechnology, 994-997, 2016, <http://ieeexplore.ieee.org/document/7751412/>

Conferences/meeting attended (44)

1. 3rd International Science Conference, University of Arid Agriculture, Murree Road, Rawalpindi, 2002
2. National Symposium on Nanotechnologies, Islamabad, November 4 – 5, 2002
3. Pakistan Physical Society 9th National Symposium on Frontiers in Physics, GC University, Lahore, February 19 – 21, 2003
4. One Day Seminar on "Creation of Wealth through Manufacturing Management", Jointly Organized by The British Council and Institute of Quality & Technology Management, University of the Punjab, Lahore, 2005
5. Conference on "Nano-Science and Technology in Pakistan", Islamabad, June, 2005
6. The Pakistan Institute of Physics (PIP), Annual Meeting, Lahore, August, 2005
7. One day Seminar on X-ray Diffraction, Department of Chemistry, Punjab University, Lahore, 2005
8. One day Seminar on "The innovative view into the world of Nanostructures", Lahore, 2005
9. Workshop on Nano Magnetic Tunnel Junctions & Nano Contacts - 27-28 March 2006, Beijing, China, -by- Mizaki Group
10. One day Seminar on NanoFabrication-6th April 2006, Beijing, China

11. One day Seminar on “The Magnetic Tunnel Transistor” 10th April 2006
12. Seminars : Optimization of MgO Barrier in MTJs, 18-20th April, 2006, Beijing, China, -by- Irish Scientists in Collaboration with Stanford University and IBM
13. “5th International Conference on Magnetic Films and Nanomagnetism”, 13-15th May 2006, Su Zhuo, China.
14. International Workshop on Quantum Dynamics and Quantum Simulations, 25-29th May, 2006, Beijing, China
15. International Centre for Quantum Structures – 6th Annual Workshop, Beijing-Hang zhuo, 5-10th June, 2006
16. 3-day workshop on “Fabrication and Optimization of Nano-Junctions with new Amorphous Ferromagnetic Layers for high density MRAM Applications” -by- Prof. Y. K. Kim, IOP, Beijing, 24-26th July, 2006
17. One day seminar on NSOM, organized by Noor Pvt. Ltd., Lahore, 2006
18. pMeeting on Nanosciences and Nanotechnology, IOP, CAS, Beijing, China – 4th June 2007
19. One day Seminar on “Magnetization and Exchange Bias in Magnetic Multilayers” –by - Prof. Zhang, Beijing, China, 8th June 2007
20. “International Centre for Quantum Structures - 2007 Workshop on Nanomagnetism and Spintronics”, Beijing-Shanghai, June 11 – 16, 2007
21. One Day Seminar on “Silicon Spintronics” – by – Ian Appel Baum, Department of Electrical and Computer Engineering, University of Delaware, Held at IOP, Beijing, China, November 02, 2007
22. Seminar on “Fact or Fiction: Our Ability to Travel Beyond the Boundaries of the Solar System” –by- Selwyn Wright, a former Professor of Physics at Huddersfield University, 6th August, 2008, University of York, UK
23. One Day Seminar on “Spin Transfer Effects in Systems with Perpendicular Anisotropy” – by – Alina Deac from NIST Colorado USA, Held at DoP, University of York, UK, September 24, 2008.
24. One Day Seminar on “Short History of the Electron: From amber to GMR” – by – Peter A. Gruenberg, Research Center Juelich, Germany, Held at DoP, University of York, UK, October 29, 2008.
25. PIP International Conference, University of Engineering and Technology, Lahore, Pakistan, February 23 – 26, 2009.
26. Workshop on the Orientation of New Faculty, Institute of Administrative Sciences, Punjab University, Lahore, Pakistan, June 22- 26, 2009.

27. 2-days Workshop on the Use and Installation of KEITHLEY systems, School of Physical Sciences, Punjab University, Lahore, February 27- 28, 2010
28. “Solar Energy Exhibition”, Pearl Continental Lahore, Pakistan, March 23 – 25, 2010.
29. “First National Symposium on Lasers”, Centre for Solid State Physics, Punajb University, Lahore,
30. May 13, 2010
31. One Day National Meeting on “Nanotechnology Research in Pakistan”, Centre of Excellence in Solid State Physics, Punjab University, August 03, 2010.
32. Workshop on Nanomaterials and their Applications, LCWU, Lahore, April 19, 2012
33. International Conference on Advances in Materials Reasearch (ICAMR’12), Seoul, Korea, August 26 – 30, 2012.
34. Workshop on Nanophotonics, December 01-07, 2012, ICTP, Italy
35. International Conference on Advanced Materials and manufacturing Science (ICAMMS) December 20-21, 2012, Beijing, China
36. International Conference on Metallurgical Coatings and Thin Films (ICMCTF), San Diego, California, USA, April 28- May 03, 2013
37. International Conference on Advanced Complex Inorganic Nanomaterials (ACIN), July 15 - 19, 2013, Namur, Belgium
38. World Congress on Advances in Nano- Biomechanics- Robotics and Energy Research (ANBRE), August 25-28, COEX, Seoul, Korea, 2013
39. “International Conference on Solid State Physics (ICSSP’13)”, <http://www.icssp13.org.pk/> , Lahore, Pakistan, December 1-6, 2013.
40. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM’14), August 24-28, 2014, BEXCO, Busan, Korea
41. International Conference on Solid State Physics (ICSSP’15)”, <http://www.icssp15.org.pk/> , Lahore, Pakistan, December 13-17, 2015
42. College on Multiscale Computational Modeling of Materials for Energy Applications, July 4 – 15, 2016, ICTP, Trieste. Italy
43. International Vacuum Congress (IVC-20), August 24-28, 2016, BEXCO, Busan, Korea
44. The 2016 World Congress on Advances in Civil, Environmental and Materials Researc (ACEM’16), August 28- Sep 02, 2016, ICC, Jeju, Korea