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|-------------------------|---|--|-------------------------------|
| Name | Dr. Zaheer Abbas Gilani | | |
| Designation | Professor | | |
| Department | Physics | | |
| Faculty | Basic Sciences | | |
| Research Profile | ORCID ID: 0000-0002-5986-8336 | | |
| | Research Gate ID: https://www.researchgate.net/profile/Zaheer-Gilani | | |
| | Web of Science Researcher ID: AFK-8324-2022 | | |
| | Google Scholar Profile ID: https://scholar.google.com/citations?user=y916Pw0AAAAJ&hl=en | | |
| E-mail address | Official | zaheer.abbas@buitms.edu.pk | |
| | Personal | zagilani2002@yahoo.com | |
| Telephone Number | Office Extension | 081-111-717-111 (641) | |
| | Mobile | +923017797011 | |
| Mailing Address | Deptt. of Physics, Iqbal Hall, BUITEMS, Airport Road Quetta-PK | | |
| Qualification | | | |
| Year | Degree/Certificate | Name of the Institute/ University | Field of study |
| 2016 | PhD | The Islamia University of Bahawalpur | Physics (Magnetic Materials) |
| 2004 | MPhil | The Islamia University of Bahawalpur | Physics (Medical Physics) |
| 2000 | Graduation/M.Sc. (16 years) | The Islamia University of Bahawalpur | Physics (Digital Electronics) |
| 1998 | B.Sc. (14 years) | The Islamia University of Bahawalpur | Physics and Mathematics |

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| Work Experience | | | | |
| S. No | From (year) | To (year) | Name of the Institution/ Organization | Position held |
| 1 | Dec-2021 | To date | Balochistan University of Information Technology, Engineering and Management Sciences (BUITEMS) Quetta-Pakistan | Professor |

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| 2 | Feb-2019 | Dec-2021 | Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS) Quetta-Pakistan | Associate Professor |
| 3 | July-2009 | Feb-2019 | Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS) Quetta-Pakistan | Assistant Professor |
| 4 | Sep-2006 | July-2009 | Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS) Quetta-Pakistan | Lecturer |
| 5 | Aug-2004 | Sep-2006 | Govt. College of Technology (GCT)Bahawalpur-Pakistan | Lecturer |
| 6 | Apr-2002 | July-2004 | Bahawalpur Study Center (Rays College), Allama Iqbal Open University IslamabadPakistan | Lecturer |

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|----------------------------------|--|
| Area of specialization | Material Science |
| Expertise | Medical Physics, Magnetic materials, Nanotechnology, Dielectrics ceramics |
| HEC Approved supervisor | Yes |
| If Yes, provide HEC URL | https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APSEPORTAL.aspx ID#19184 |
| Research grants/ Projects | |

Additional Information

I did my PhD work on the nano-ferrite materials and its analysis. I submitted my thesis entitled “Impacts of Rare Earth Cations on the Properties of Lithium Based Spinel Ferrites”. Where substitution of rare earth metals praseodymium and neodymium on lithium ferrites was carried out. The impacts of these rare earth metals on thermal, structural, magnetic and dielectric properties were studied. The possible application of these ferrites for high frequency devices and electromagnetic application were studied.

I joined Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS) as lecture in September 2006. This university is newly chartered by government of Pakistan. Here establishment of lab is necessary for B.S. Physics program and applied physics for engineering classes like Petroleum & Gas engineering, Electronics engineering, Computer engineering, Textile engineering. I prepare a PC-1 report for this purpose to HEC through BUIITEMS. This grant of about 39 Million was approved and lab equipments have been purchased under my supervision. The syllabus was not yet decided; I conducted the 1st Board of study to finalize the syllabus as coordinator. Also conduct practical in the subjects relating to physics. The whole work was under my control. My research work was paused due to these activities. Being the

Faculty Member and working as a Lecturer in the Basic Sciences Department college of technology Bahawalpur, Pakistan my responsibilities are:

- To develop and prepare syllabus and lesson plans based on course outlines for Diploma level to Graduation level classes.
- To establish a system of student evaluation and assessment to ensure high standard of academic performance and credibility for Mechanical, Electrical, Electronics, Civil, Telecommunication, Computer, and Auto & Forming Technologies.
- To conduct lectures according to the specified schedules.
- To plan, develop and implement practical activities to support the academic and curriculum development.

Working as a Member of the Graduate Studies, all the Technologies in college of Technology Pakistan, my responsibilities were :

- To assess the graduate (Mechanical production, civil communication, Electrical and Electronics) students.
 - To help Mechanical Department, in organizing the curriculum.

In addition to teach computer science and information technology to graduation level students at the study center Allama Iqbal Open University, my additional responsibilities were to develop and prepare lesson plans of the subjects like, Basic Electronics, Electricity and Magnetism, and Digital Logic Design.

Publications in HEC Recognized journals (International)

| S. No | Paper title | Journal | Category | Vol. No. | Year | DOI / URL |
|-------|---|--|----------|----------|--------------|---------------------------------|
| 1. | Conformal Coating of Cobalt-Nickel Layered Double Hydroxides Nanoflakes on Carbon Fibers for High-Performance Electrochemical Energy Storage Supercapacitor Devices | Electrochimica Acta (Impact factor = 5.38) | W | 135 | May 14, 2014 | 10.1016/j.electacta.2014.05.020 |
| 2. | Characterization of InGaN by Means of I–V Measurements of Respective Light-Emitting Diode (LED) by DLTS | Arabian Journal for Science and Engineering (Impact factor = 1.52) | W | 40 (1) | May 20, 2014 | 10.1007/s13369-014-1483-y |
| 3. | La1–XEuxFeO3 Nanoparticles: Fabrication Via Micro-Emulsion Route for High Frequency Devices Applications | Journal of Alloys and Compounds (Impact factor = 4.18) | W | 629 | Jan 06, 2015 | 10.1016/j.jallcom.2014.12.212 |
| 4. | Structural and Electromagnetic Behavior Evaluation of Nd-Doped Lithium–Cobalt Nanocrystals for Recording Media Applications | Journal of Alloys and Compounds (Impact factor = 4.18) | W | 639 | Mar 27, 2015 | 10.1016/j.jallcom.2015.03.170 |

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|-----|--|--|---|--------|----------------|---|
| 5. | Rare Earth Tb ³⁺ Doped LaFeO ₃ Nanoparticles: New Materials for High Frequency Devices Fabrication | Ceramics International (Impact factor = 3.43) | W | 41 | April 01, 2015 | 10.1016/j.ceramint.2015.03.235 |
| 6. | Impacts of Neodymium on Structural, Spectral and Dielectric Properties of LiNi _{0.5} Fe ₂ O ₄ Nanocrystalline Ferrites Fabricated Via Micro-Emulsion Technique | Physica E (Impact factor = 3.18) | W | 73 | Jun 09, 2015 | 10.1016/j.physe.2015.06.001 |
| 7. | Structural, Morphological and Electrical Properties of Heat Treated CaHPO ₄ Biomaterials | Optoelectronics and Advanced Materials (Impact factor = 0.45) | X | 9 (9) | Sep 09, 2015 | https://oamrc.inoe.ro/articles/structuralmorphologicaland-electricalproperties-ofheat-treatedcahpo4biomaterials/ |
| 8. | Structural and Electromagnetic Studies of Ni _{0.7} Zn _{0.3} H _{0.2x} Fe _{2-2x} O ₄ Ferrites | Ceramics International (Impact factor = 3.43) | W | 42 | Jun 08, 2016 | 10.1016/j.ceramint.2016.06.054 |
| 9. | Enhanced Dielectric and Photocatalytic Behaviour of Dy-Co Co-Doped Multiferroic BiFeO ₃ Nanoparticles | Digest Journal of Nanomaterials and Biostructures (Impact factor = 0.61) | X | 11 (4) | Nov 03, 2016 | http://chalcogen.ro/index.php/journals/digestjournal-ofnanomaterialsand-biostructures/8djnb/400volume-11number-4octoberdecember-2016 |
| 10. | The Effect of Rare Earth Dy ³⁺ ions on Structural, Dielectric and Electrical Behavior of Ni _{0.4} Co _{0.6} Dy _y Fe _{2y} O ₄ Nano Ferrites Synthesized By Wet Chemical Approach | Digest Journal of Nanomaterials and Biostructures (Impact factor = 0.61) | X | 12 (1) | Feb 18, 2017 | http://chalcogen.ro/index.php/journals/digestjournal-ofnanomaterialsand-biostructures/8djnb/405volume-12number-1january-march-2017 |
| 11. | Morphological and magnetic behavior of neodymium doped LiNi _{0.5} Fe ₂ O ₄ nanocrystalline ferrites prepared via micro-emulsion technique | Digest Journal of Nanomaterials and Biostructures (Impact factor = 0.61) | X | 12 (1) | Mar 24, 2017 | http://chalcogen.ro/index.php/journals/digestjournal-ofnanomaterialsand-biostructures/8djnb/405volume-12number-1january-march-2017 |
| 12. | Redistribution of carbon from silicon by electron beam melting | Digest Journal of Nanomaterials and Biostructures (Impact factor = 0.61) | X | 12 (3) | Aug 08, 2017 | http://chalcogen.ro/index.php/journals/digestjournal-ofnanomaterialsand-biostructures/8djnb/430volume-12number-3-julyseptember-2017 |
| 13. | New LiNi _{0.5} Pr _x Fe _{2-x} O ₄ Nanocrystallites: Synthesis Via Low-Cost Route for Fabrication of Smart Advanced Technological | Ceramics International (Impact factor = 3.43) | W | 43 | July 31, 2017 | 10.1016/j.ceramint.2017.07.228 |

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|-----|--|--|---|--------|----------------|---|
| | Devices | | | | | |
| 14. | Evaluation and comparison of dc resistivity of $NiZr_xCo_xFe_{2-2x}O_4$, $Ni_{0.5}Sn_{0.5}Co_xMn_xFe_{2-2x}O_4$, $Mg_{1-x}Ca_xNi_yFe_{2-y}O_4$ and $Mg_{1-x}Ni_xCo_yFe_{2-y}O_4$ nanocrystalline materials | Materials Research Express (Impact factor = 1.45) | W | 4 | Nov 2, 2017 | 10.1088/2053-1591/aa9413 |
| 15. | New $LiCo_{0.5}Pr_xFe_{2-x}O_4$ nanoferrites: Prepared via low cost technique for high density storage application | Ceramics International (Impact factor = 3.43) | W | 44 | Oct 19, 2017 | 10.1016/j.ceramint.2017.10.126 |
| 16. | Improvement of solar cell performance after oxygen removal by electron beam melting | Silicon (Impact factor = 1.2) | W | 10 (5) | July 7, 2018 | 10.1007/s12633-017-9694-y |
| 17. | Removal of SiC from Silicon After Electron Beam Melting Technique on Industrial Scale | Silicon (Impact factor = 1.2) | W | 11 | April 05, 2018 | 10.1007/s12633-018-9859-3 |
| 18. | Structural, Morphological and optical investigations of silver nanoparticles synthesized by sol-gel auto combustion Method | Digest Journal of Nanomaterials and Biostructures (Impact factor = 0.61) | X | 13 (3) | July 24, 2018 | http://chalcogen.ro/index.php/journals/digestjournals/digestjournal-ofnanomaterialsand-biostructures/8djnb/458-volume-13number-3-julyseptember-2018 |
| 19. | Intensity modulated radiation therapy: A review of current practice and future outlooks | Journal of Radiation Research and Applied Sciences ESCI (Impact factor = 2.10) | W | 11 | July 25, 2018 | 10.1016/j.jrras.2018.07.006 |
| 20. | Thermogravimetric analysis, optical and dielectric properties of newly developed $LiNi_{0.5}Pr_xFe_{2-x}O_4$ nanocrystalline ferrites | Digest Journal of Nanomaterials and Biostructures (Impact factor = 0.61) | X | 13 (3) | Sep 08, 2018 | http://www.chalcogen.ro/index.php/journals/digest-journal-ofnanomaterialsand-biostructures/8djnb/458-volume-13number-3-julyseptember-2018 |
| 21. | A Simulation Model Approach to Analysis of High Breakdown Voltage in Normally-Off 4h-SiC Vertical Junction Field Effect Transistor | Journal of Ovonic Research (Impact factor = 0.70) | X | 14 (6) | Dec 01, 2018 | http://www.chalcogen.ro/index.php/journals/journal-of-ovonicresearch/12jor/469-volume14-number-6novemberdecember-2018 |
| 22. | Mechanism of the Effect of Electron Beam Melting on the Distribution of Oxygen, Nitrogen, and Carbon in Silicon | International Journal of Materials Research (Impact factor = 0.74) | W | 110 | May 20, 2019 | 10.3139/146.111736 |

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|-----|--|--|---|----------|----------------|---|
| 23. | Structural, magnetic and dielectric properties of Ni-Co doped BiFeO ₃ multiferroics synthesized via micro-emulsion route | Physica B: Condensed Matter (Impact factor = 1.87) | X | 552 | Sep 24, 2018 | 10.1016/j.physb.2018.09.030 |
| 24. | Structural, optical and magnetic elucidation of co-doping of Nd ³⁺ and Pr ³⁺ on lithium nanoferrites and its technological application | Results in Physics (Impact factor = 3.04) | W | 12 | Jan 10, 2019 | 10.1016/j.rinp.2019.01.018 |
| 25. | Effects of bismuth on structural and dielectric properties of cobalt-cadmium spinel ferrites fabricated via micro-emulsion route | Chinese Physics B (Impact factor = 1.6) | W | 28 (8) | July 25, 2019 | 10.1088/16741056/28/8/088701 |
| 26. | Characterization of Zirconium Substituted Cobalt Zinc Ferrites Synthesized via Co-Precipitation Technique | Digest Journal of Nanomaterials and Biostructures (Impact factor = 0.61) | X | 14 (3) | July 25, 2019 | http://chalcogen.ro/index.php/journals/digestjournal-ofnanomaterialsand-biostructures/8djnb/487volume-14number-3-julyseptember-2019 |
| 27. | Dielectric, Impedance and modulus spectroscopic studies of Co _{0.3} Cd _{0.7} Zn _{1.5x} Fe _{2-x} O ₄ nanoparticles | Applied Physics A (Impact factor = 1.78) | W | 125 (10) | Sep 27, 2019 | 10.1007/s00339-019-3029-3 |
| 28. | Design And Analysis of Normally-on 4H-SiC Vertical Junction Field Effect Transistor (VJFET) Using Sentaurus TCAD Simulation | Journal of Ovonic Research (Impact factor = 0.7) | X | 15 (5) | Oct 15, 2019 | http://chalcogen.ro/index.php/journals/journal-ofovonicresearch/12jor/492-volume15-number-5septemberoctober-2019 |
| 29. | Impact of Aluminum Substitution on the Structural and Dielectric Properties of Ni-Cu Spinel Ferrite Nanoparticles Synthesized Via Sol-Gel Route | Optical and Quantum Electronics, (Impact factor = 1.45) | X | 52 (190) | Mar 17, 2020 | 10.1007/s11082-020-02304-w |
| 30. | Synthesis of CuFe _{2-x} Er _x O ₄ Nanoparticles and Their Magnetic, Structural and Dielectric Properties | Physica B: Condensed Matter, (Impact factor = 1.87) | X | 588 | April 10, 2020 | 10.1016/j.physb.2020.412176 |
| 31. | Impact of Bi-Cr substitution on the structural, spectral, dielectric and magnetic properties of Y-type hexaferrites | Ceramics International (Impact factor = 3.43) | W | 46 | July 9, 2020 | 10.1016/j.ceramint.2020.07.018 |

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|-----|---|--|---|---------|---------------------------------|---|
| 32. | Dielectric, impedance, and modulus spectroscopic studies of lanthanum-doped nickel spinel ferrites NiLa _x Fe _{2-x} O ₄ nanoparticles | Journal of Sol-Gel Science and Technology (Impact factor = 2.0083) | X | 1 (10) | July 31, 2020 | 10.1007/s10971-020-05359-z |
| 33. | Properties of Al ₃₊ substituted nickel ferrite (NiAl _x Fe _{2-x} O ₄) nanoparticles synthesised using wet sol-gel auto-combustion | Journal of Sol-Gel Science and Technology (Impact factor = 2.0083) | X | 1(12) | November 10, 2020 | https://doi.org/10.1007/s10971-020-05426-5 |
| 34. | Structural, Dielectric, Impedance, and Electric Modulus Properties of Cu ²⁺ -Substituted Cu _x Mn _{1-x} Fe ₂ O ₄ Spinel Ferrites Nanoparticles | Journal of Materials Science: Materials in Electronics (Impact factor = 2.2) | W | 32 | February 6, 2021 | https://doi.org/10.1007/s10854-020-05036-5 |
| 35. | Structural, Morphological Study of Neodymium Substituted Cobalt Zinc Ferrites Nanoparticles Synthesized via Co-Precipitation Method | Journal of Ovonic Research (Impact factor = 0.7) | X | 17(1) | February 23, 2021 | https://chalcogen.ro/89_ShifaMS.pdf |
| 36. | Aluminum Substitution in Ni-Co Based Spinel Ferrite Nanoparticles by Sol-Gel Auto-Combustion Method | Journal of Electronic Materials, IF=1.77 | W | 1 (10) | March 16, 2021 | https://doi.org/10.1007/s11664-021-08819-6 |
| 37. | Optimisation of User-Selectable Volumetric Modulated Arc Therapy (Vmat) Planning Parameters: VMAT Arcs for Prostate and Head-and-Neck Cancers | The Journal of the Pakistan Medical Association (Impact factor = 0.78) | X | 71 | April, 2021 | https://doi.org/10.47391/JPMA.710 |
| 38. | Effects of Heat Treatment on the Structural, Spectral, Morphological, Dielectric, and Magnetic Properties of Ba _{0.5} Sr _{0.1} Zn _{0.4} Fe ₁₂ O ₁₉ Ferrite | Ceramics International (Impact factor = 3.43) | W | 47 | May 27, 2021 | https://doi.org/10.1016/j.ceramint.2021.05.207 |
| 39. | Tuning the dielectric and structural properties of erbium substitution on cobalt ferrites | Journal of Ovonic Research (Impact factor = 0.7) | X | 17(4) | August 10, 2021 | https://chalcogen.ro/383_AsgarHMNHK.pdf |
| 40. | Structural and Magnetic Properties of Co-Cd-Zn Spinel Ferrite Nanoparticles Synthesized through Micro-Emulsion Method | Optical and Quantum Electronics, (Impact factor =1. 45) | W | 53(677) | November 2 nd , 2021 | https://doi.org/10.1007/s11082-021-03299-8 |

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|-----|---|---|---|------------------------------|---------------------------------|---|
| 41. | Impact of Nd ³⁺ and Ni ²⁺ Dopants on the Structural, Electrical and Dielectric Behaviour of PbZrO ₃ Nanocrystalline Material | Journal of Taibah University for Science (Impact factor =1.8) | W | 16 (362) | April 7 th , 2022 | https://doi.org/10.1080/16583655.2022.2061782 |
| 42. | Structural, Dielectric, Impedance and Electric Modulus Analysis of Ni Substituted Copper Spinel Ferrites Nanoparticles for Microwave Device Applications | Materials Chemistry and Physics (Impact factor =3.45) | W | 285 | April 19 th , 2022 | https://doi.org/10.1016/j.matchemphys.2022.126091 |
| 43. | Structural, Dielectric, Impedance and Electric Modulus Properties of Praseodymium-Substituted BaPr _x Fe _{12-x} O ₁₉ Nanoparticles Synthesized Via Sol–Gel Method | Applied Physics A (Impact factor =2.9) | X | 128 (762) | August 9 th 2022 | https://doi.org/10.1007/s00339-022-05799-0 |
| 44. | Synthesis of Ce ³⁺ Substituted Ni-Co Ferrites for High Frequency and Memory Storage Devices by Sol-Gel Route | Journal of Alloys and Compounds (Impact factor =6.3) | W | 938 (168637) | December 28 th 2022 | https://doi.org/10.1016/j.jallcom.2022.168637 |
| 45. | Dielectrically Modified Dy ³⁺ Substituted Nickel-Cobalt Ferrites for High Frequency Devices | Physica B: Condensed Matter (Impact factor =1. 87) | X | 652 (414656) | January 10 th 2023 | https://doi.org/10.1016/j.physb.2023.414656 |
| 46. | Structural, Dielectric and Electric Modulus Analysis of Praseodymium-Substituted SrPr _x Fe _{12-x} O ₁₉ Nanoparticles Synthesized Via Micro-Emulsion | Applied Physics A (Impact factor =2.9) | X | 129 (145) | January 15 th 2023 | https://doi.org/10.1007/s00339-023-06427-1 |
| 47. | Impact of cerium substitution cobalt–zinc spinel ferrites for the applications of high frequency devices | Physica B: Condensed Matter (Impact factor =1. 87) | X | 660 (414873) | April 13 th 2023 | https://doi.org/10.1016/j.physb.2023.414873 |
| 48. | Structural, Morphological, and Magneto-Dielectric Features of Ni-Co-Pr Ferrites for High Density Memory and High Frequency Devices | Journal of Magnetism and Magnetic Materials, (Impact factor =3. 08) | W | 587 (171240) | September 12 th 2023 | https://doi.org/10.1016/j.jmmm.2023.171240 |
| 49. | Structural and magnetic effect of bismuth substitution on Li-Co ferrite synthesized through microemulsion method | Journal of Ovonic Research (Impact factor = 0.7) | X | Vol. 19, No. 5, p. 547 - 556 | September 18, 2023 | https://doi.org/10.15251/JOR.2023.195.547 |
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| Publications in HEC Recognized journals (National) | | | | | |
|--|---|--|--|--------|-----------|
| 1. | Characterization of InGaN by means of C-V measurement of respective Light Emitting Diode (LED) by DLTS | Journal of applied and Emerging Sciences | | | 2011 |
| 2. | Characterization of SiC by means of C-V measurement of respective schottky diode by DLTS | Journal of applied and Emerging Sciences | | | 2012 |
| 3. | Characterization of ZnO by means of C-V measurement of respective schottky diode by DLTS | Journal of applied and Emerging Sciences | | | 2013 |
| 4. | Characterization of ZnO by mean of I-V measurement of respective schottky diode by DLTS | Journal of applied and Emerging Sciences | | 4 (2) | Dec, 2013 |
| 5. | A Comparative Study of Crop Classification by Using Radiometric and Photographic Data | Sindh Univ. Res. Jour | | 47 (2) | 2015 |
| 6. | Study of Current-voltage Characteristic Using Deep Level Transient Spectroscopy Technique of Schottky Diode Made of SiC | Journal of applied & Emerging Sciences | | 6 (2) | 2016 |
| 7. | Synthesis and Characterization of Spintronics Material $Hg_{0.8}Cd_{0.2}Te$ by Solid State Reaction | Journal of applied & Emerging Sciences | | 7 (2) | 2017 |

| Conference and Trainings | | | | |
|--------------------------|---|--|-------------------------|-----------------|
| S. No | Title of Paper/Training | Name of Conference | National/ International | Date |
| 1 | Teaching Skill and Management | One month pedagogy training, GTTC, Faisalabad | National | August, 2004 |
| 2 | Monte Carlo Radiation Transport and Associated needs for medical applications | The Abdul Salam International Centre of Theoretical Physics (ICTP), Italy, Organized by International Atomic energy Agency, Vienna | International | October 2011 |
| 3 | How to write a research proposal | HEC, Islamabad | National | September, 2011 |
| 4 | Comparison of IMRT vs IMPT | 11th Shaukat Khanum Cancer Symposium Costs of Cure, Lahore, Pakistan. | National | November 2012 |

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| 5 | Synthesis of Starch Coated Iron Oxide Nanoparticles by Coprecipitation, Pakistan. | International Scientific Spring 2013, Hosted by ICTP, Italy and Organized by National Centre of Physics, Islamabad | International | March 2013 |
| 6 | Alternate energy technology | International Scientific Spring 2013, Hosted by ICTP, Italy and Organized by National Centre of Physics, Islamabad | International | March 2013 |
| 7 | Impacts of rare earth cation on the structure, dielectric and magnetic properties of ferrites', Presented poster in conference | Nanomagnetism 2015 at NCP, Islamabad. | International | February 2015 |
| 8 | Comparison of rare earth cation doping for structural and magnetic properties | 2nd Conference on Frontiers of Nanoscience and Nanotechnology, PINSTECH, Islamabad | National | September 2015. |
| 9 | Intellectual property, patent and trade mark | BUIITEMS, Quetta | National | April, 2017. |
| 10 | University Teaching | BUIITEMS, Quetta | National | March, 2017. |
| 11 | PhD supervisor capacity building | HEC, Islamabad | National | April, 2019 |

List of projects completed.

1. In year 2007 to 2012, I prepared and executed a project of the worth about **39 Million** for establishment of labs in department off physics through HEC.
2. In year 2016-2017, I completed a research project entitled “Structural, electrical and magnetic studies of Ni substitution on the lithium based spinel ferrites” of the worth 0.2 million through ORIC, BUIITEMS as PI.
3. In year 2016-2017, I completed another project entitled “Investigation of Lithium ferrites and impacts of cobalt doping on structural and electrical properties” of worth 0.2 Million through ORIC, BUIITEMS as co-PI.
4. In year 2018-2019, I completed a research project entitled “Electrical, dielectric and magnetic studies of metal doped M-type Hexa-ferrite nano-materials” of the worth 0.2 million through ORIC, BUIITEMS as PI.
5. In year 2018-2019, I completed another project entitled “Dose enhancement effect of metal nanoparticles on MAGICA polymer gel in radiation therapy” of worth 0.2 Million through ORIC, BUIITEMS as co-PI.

List of students supervised

- MS Physics students:
 - Completed: 14
 - On going: 8
- PhD Physics students:
 - On going: 2