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Shahzad Naseem@yahoo.com director.cssp@pu.edu.pk

Prof. Dr. Shahzad Naseem

Personal Information

Date of Birth: September 07, 1958

Marital status: Married Nationality: Pakistani

Place of Birth: Sahiwal (Pakistan) Father's Name: Abdul Rauf Khan

Present Employment

Centre of Excellence in Solid State Physics

University of the Punjab, QAC

Lahore-54590, Pakistan Tel: +92 42 9923 1136; +92 42 9923 3133 – 5

Education

1973 - 1985

| S.S.C. | Govt. Comprehensive School, Sahiwal (Multan Board) | 1973 | | |
|--------------------------------------|--|------|--|--|
| F.Sc. | Govt. College, Sahiwal (Multan Board) | 1975 | | |
| B.Sc. | Govt. College, Sahiwal (B.Z.U. Multan) | 1978 | | |
| M.Sc. | Govt. College, Sahiwal (B.Z.U. Multan) | 1980 | | |
| Ph.D. | University of Northumbria at Newcastle, UK | 1985 | | |
| Post-Doc University of Cambridge, UK | | | | |

Professional Memberships

Fellow, Pakistan Institute of Physics (PIP)

Founder President, Society for Solid State Physics (S³P)

Member, Pakistan Society for Semiconductor Science & Technology (PS³T)

Member, Pakistan Physical Society (PPS) Member, American Vacuum Society (AVS)

Member, Institute of Electrical & Electronic Engineers (IEEE)

Member, IEEE Magnetics Society
Member, IEEE Communications Society

Awards Received

Gold Medal for Outstanding Achievements, awarded by the Pakistan Academy of

Sciences, 2013

Post-Doctoral Award of Association of Commonwealth Universities, 1996
 Quaid-e-Azam Scholarship, Ministry of Education, Govt. of Pakistan, 1983-85
 Gold Medal for standing 1st on Merit in M.Sc. (Physics), B.Z. University Multan, 1981

Research Productivity Award – PCST, MOST, 2001 – 2017

Experimental Techniques Handled Surface Techniques (AES, SIMS, LEED, RHEED, Scanning Kelvin Probe, Surface Photovoltage Spectroscopy)

Scanning Electron Microscopy (SEM)

Spectroscopic Ellipsometery (SE)

Vibrating Sample Magnetometer (VSM) Powder X-Ray Diffractometer (XRD)

Optical Mask Aligner (OMA) Scanning Probe Microscope (SPM)

Publications

TOTAL: 1084

Journal Papers: 330 Impact Factor: 434.448 Citations: 2570 Conference Proceedings: 754 h10-index: 25 i10-index: 87

Students

TOTAL: 220

Supervised MS/MPhil: 205 PhD: 15

Professional Experience

1985 - 2018

| Centre for Solid State Physics | Director | April 2009 - Date |
|-------------------------------------|----------------------|---------------------|
| Microelectronics Research Centre | Director | Oct 04 – 2011 |
| University of the Punjab, Lahore | | |
| Centre for Solid State Physics | Professor | June 02 – Date |
| Centre for Solid State Physics | Associate Professor | April 01 – June 02 |
| University of the Punjab, Lahore | | |
| Microelectronics Research Centre | Research Associate | April 99 – April 01 |
| University of Cambridge, UK (on lea | ave from CSSP) | |
| Centre for Solid State Physics | Associate Professor | Oct 97 – April 99 |
| University of the Punjab, Lahore | | |
| Microelectronics Research Centre | Post-Doctoral Fellow | Oct 96 – Sep 97 |
| University of Cambridge, UK (on lea | ave from CSSP) | |
| Centre for Solid State Physics | Associate Professor | April 95 – Sep 96 |
| University of the Punjab, Lahore | | |
| Centre for Solid State Physics | Assistant Professor | May 89 – April 95 |
| University of the Punjab, Lahore | | |
| Centre for Solid State Physics | Lecturer | March 86 – May 89 |
| University of the Punjab, Lahore | | |
| Solar Energy Research Institute | Visiting Scientist | May 85 – July 85 |
| (Presently NREL), Colorado, USA | | |

Additional Professional Activities

- Chairman, International Conference on Solid State Physics (ICSSP'17), December 10 – 14, 2017, Punjab University, Lahore, Pakistan
- Chairman, International Conference on Solid State Physics (ICSSP'15), December 13 – 17, 2015, Punjab University, Lahore, Pakistan
- Co-Chairman, 2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE), August 25-28, 2013, COEX, Seoul, Korea
- Chairman, International Conference on Solid State Physics (ICSSP'13), December 01 – 06, 2013, Punjab University, Lahore, Pakistan
- Editor-in-Chief, Proceedings of the International Conference on Solid State Physics (ICSSP'13), December 01 – 06, 2013, Punjab University, Lahore, Pakistan; available at www.sciencedirect.com
- Member, Organising Committee, Pakistan Institute of Physics Conference, April 3-6, 1995
- Member, Organising Committee, Pakistan Institute of Physics Annual Conference, April 2-5, 1993
- Member, Organising Committee, 5th National Conference on Solid State Physics, October 26-29, 1991
- Editor, Proc. 5th National Conference on Solid State Physics, October 26-29, 1991, held at Centre for Solid State Physics, University of the Punjab, Lahore
- Member, Organising Committee, Pakistan Institute of Physics Annual Conference, March 2-5, 1990
- Outstanding Reviewer, Journal of Magnetism and Magnetic Materials, 2018
- Outstanding Reviewer, Materials Chemistry and Physics, 2017
- Outstanding Reviewer, Computational Materials Science, 2017
- Outstanding Reviewer, Physics Letters A, 2017
- Outstanding Reviewer, Surface and Coatings Technology, 2017
- Outstanding Reviewer, Materials Science and Semiconductor Processing, 2017
- Outstanding Reviewer, Materials Letters, 2017

- Outstanding Reviewer, Materials Letters, 2017
- Outstanding Reviewer, Thin Solid Films, 2016
- Outstanding Reviewer, OPTIK International Journal for Light and Electron Optics, 2016
- Outstanding Reviewer, Materials Research Bulletin, 2016
- Outstanding Reviewer, Journal of Alloys and Compounds, 2016
- Member, Board of Governors, Govt. MAO College, Lahore
- Member, Board of Directors, School of Physical Sciences, University of the
- Punjab, Lahore
- Member, Departmental Doctoral Program Committee, Department of Physics, University of the Punjab, Lahore, 2008 to date
- Member, Departmental Doctoral Program Committee, Department of Physics, University of Engineering & Technology, Lahore, 2009 to date
- Member, Board of Studies, Centre for Advanced Studies in Physics, GC University, Lahore, 2014 to date
- Member, Board of Studies, Department of Physics, GC University, Lahore, 2014 –
 2016
- Member, Academic Council, GC University, Lahore, 2014 2016
- Member, National Commission on Nano-Science and Technology, Pakistan
- Editor, Directory of Physicists, Pakistan Institute of Physics,
- Member, Selection Board, Lahore College for Women University, Lahore
- Member, Selection Board, GC University, Lahore
- Principal Investigator, UGC Project Current Voltage Analysis of Solar Cells
- Principal Investigator, UGC Project 2D Modelling of Solar Cells
- Principal Investigator, UGC Project Surface & Interface Analyses of SS & SIS junctions
- Principal Investigator, UGC Project Design & Implementation of Solar Thermal Electric Power Generator
- Principal Investigator, HEC Project Establishment of Microelectronics Research Facilities
- Principal Investigator, HEC Project Establishment of Nanoceramics Research Facilities
- External Examiner, M.Phil. & Ph.D. Exams, UoP, IUB, BZU, GCU, UET, LCWU, MUST & AJK Universities
- Member, Federal Curriculum Review Committee (Electronics)
- Member, Provincial (Punjab) Curriculum Review Committee (Physics)
- Established Nanoelectronics-Chemistry-Research (NCR) Group in collaboration with LCWU, Lahore
- Member, Ph.D. Committee, Lahore College for Women University, Lahore
- Member, Board of Faculty of Engineering & Technology, University of the Punjab, Lahore (nominee of the Punjab University Academic Council)
- Honorary Member, Board of Governors, JAST Computer Training College, Lahore
- Honorary Member, Board of Governors, Sialkot College of Computer Sciences, Sialkot

Offices Held

President, Physics Society, Govt. College, Sahiwal, 1980-81

Member, Executive Council, Punjab University Academic Staff Association, University of the Punjab, Lahore, 1992-93

Member, Executive Council, Punjab University Academic Staff Association, University of the Punjab, Lahore, 1993-94

Joint Secretary, Pakistan Institute of Physics, 1994-95

Member, Executive Council, Punjab University Academic Staff Association, University of the Punjab, Lahore, 1994-95

Joint Secretary, Pakistan Institute of Physics, 1996-97

Honorary Judge, National Science Olympiad held under the auspices of MOE, INTEL, 2004

Honorary Judge, National Science Olympiad held under the auspices of MOE, INTEL, 2005

Founder President, Society for Solid State Physics (S³P), 2014

Conferences / Meetings Attended

- 1. Institute of Physics Meeting, London, 1984
- 2. Summer School on Surface Physics, Dublin, 1984
- 3. 6th EC Photovoltaic Solar Energy Conference, London, 1985
- 4. UK-ISES Meeting on Applications of Photovoltaics, Newcastle upon Tyne, 1985
- 5. 30th Pakistan National Science Conference, Faisalabad, 1987
- 6. 1st International Symposium/Workshop on Silicon Technology Development and its Role in the Sun-belt Countries, Islamabad, 1987
- 7. The Pakistan Institute of Physics Annual Conference, Lahore, 1990
- 8. 5th National Conference on Solid State Physics, Lahore, 1991
- 9. The Pakistan Institute of Physics Annual Conference, Lahore, 1993
- 10. 2nd International Symposium/Workshop on Silicon Technology Development and its Role in the Sun-belt Countries, Islamabad, 1993
- 11. 6th Hitachi Cambridge Seminar on Ultrafast Physics and Devices for Terabit Communications, Cambridge, 1997
- 12. 91st Kelvin Lecture, Institute of Electrical Engineers Meeting, London, 1999
- 13. Micro 2000, Annual Exhibition of Surface Characterization Techniques and Users Meeting, London, 2000
- 14. Institute of Physics' Device Microscopy and Users Meeting, London, 2000
- 15. The 2nd Annual Thermomicroscopes' Scanning Probe Microscopy Conference and Users Meeting, Cambridge, 2000
- 16. National Symposium on Nanotechnologies, Islamabad, 2002
- 17. Pakistan Physical Society 9th National Symposium on Frontiers in Physics, GC University, Lahore, 2003
- 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
- 19. Conference on "Nano-Science and Technology in Pakistan", Organized by COMSTECH, Islamabad, 2005
- 20. One Day Seminar on "The Innovative View into the World of Nanostructures", Lahore, 2005
- International Conference on Physics, Organized by Pakistan Institute of Physics, University of Engineering & Technology, Lahore, 2006
- 22. International Conference on Physics, Organized by Pakistan Institute of Physics, University of Engineering & Technology, Lahore, 2009
- 23. National Meeting on "Nanotechnology Research in Pakistan", organized by COE in Solid State Physics, University of the Punjab, Lahore, 2010
- National Meeting on "LASERS", jointly organized by Khwarzimi Science Society and COE in Solid State Physics, University of the Punjab, Lahore, 2010
- The 2012 Intl. Conf. on Adv. In Mater. Res. (ICAMR), August 26-29, 2012, Seoul, Korea
- 26. International Conference on Advanced Materials and manufacturing Science (ICAMMS), December 17-21, 2012, Beijing, China
- 40th International Conference on Metallurgical Coatings and Thin Films, April 29 May 3, 2013, San Diego, CA, USA
- 28. International Conference on Advanced Complex Inorganic Nanomaterials (ACIN), Namur, Belgium, July 15 19, 2013

- 29. 2013 World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE), August 25-28, 2013, COEX, Seoul, Korea
- 30. International Conference on Solid State Physics (ICSSP'13), December 1-6, 2013, Punjab University, Lahore, Pakistan
- 31. International Conference on Materials and Engineering Technology, December 19-20, 2013, Beijing, China
- 32. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- 33. International Conference on Solid State Physics (ICSSP'15), December 13-17, 2015, Punjab University, Lahore, Pakistan
- 34. 20th International Vacuum Congress (IVC-20) August 21-26, 2016, BEXCO, Busan, Korea
- 35. The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea
- 36. International Conference on Solid State Physics (ICSSP'17), December 10-14, 2017, Punjab University, Lahore, Pakistan

Conferences / Meetings Organized

- The Pakistan Institute of Physics Annual Conference, Lahore, 1990
- 5th National Conference on Solid State Physics, Lahore, 1991
- The Pakistan Institute of Physics Annual Conference, Lahore, 1993
- National Meeting on "Nanotechnology Research in Pakistan", COE in Solid State Physics, University of the Punjab, Lahore, 2010
- National Meeting on "LASERS", jointly organized by Khwarzimi Science Society and COE in Solid State Physics, University of the Punjab, Lahore, 2010
- Mini Symposium "Iron Oxide A promising material for Spintronic and Biomedical Applications", The 2012 International Conference on Advances In Materials Research (ICAMR), August 26-29, 2012, Seoul, Korea
- Mini Symposium "Nanomaterials for Photovoltaic Applications", The 2012 International Conference on Advances In Materials Research (ICAMR), August 26-29, 2012, Seoul, Korea
- Mini Symposium "Significance of Iron Oxide Nanostructures" World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE), August 25-28, 2013, COEX, Seoul, Korea
- Mini Symposium "Advanced Materials for PV Applications" World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE), August 25-28, 2013, COEX, Seoul. Korea
- Mini Symposium "Nanomaterials for Electronic / Biomedical Applications" World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research (ANBRE), August 25-28, 2013, COEX, Seoul, Korea
- International Conference on Solid State Physics (ICSSP'13), December 01 06, 2013, Punjab University, Lahore, Pakistan
- Mini Symposium "Semiconductor Formation through Chemical Routes", The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- Mini Symposium "Iron Oxide and it's allied Nanomaterials", The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- Mini Symposium "Nano-oxides for Optical Applications", The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- Mini Symposium "Magnetic Nanostructures for various High-Tech Applications", The 2014
 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14),
 August 24-28, 2014, BEXCO, Busan, Korea

- International Conference on Solid State Physics (ICSSP'15), December 13 17, 2015, Punjab University, Lahore, Pakistan
- Mini Symposium "Nanobiotechnology: Materials and Applications I", The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea
- Mini Symposium "Nanobiotechnology: Materials and Applications II", The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea
- Mini Symposium "2 Dimentional Materials in Modern Perspective", The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea
- Mini Symposium "Nanoceramics and Nanocomposites", The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea
- Mini Symposium "Recent Advances in Nanomaterials Research I", The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea
- Mini Symposium "Recent Advances in Nanomaterials Research II", The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea
- International Conference on Solid State Physics (ICSSP'17), December 10-14, 2017, Punjab University, Lahore, Pakistan

Thesis Supervised

| 1. | Ijaz A. Rauf | 1985-87 | "Preparation and characterisation of In ₂ O ₃ thin films for photovoltaic applications" M.Phil. |
|-----|--------------------|---------|--|
| 2. | Abdul Ghafoor Alvi | 1985-87 | "Preparation and characterisation of CdS thin films" M.Phil. |
| 3. | M. Izhar-ul-Hassan | 1986-88 | "Structural and electrical properties of Cu2O thin films prepared by evaporating Cu in O ₂ environment" M.Sc. (Co) |
| 4. | Hummayun Mohsin | 1986-88 | "Characterisation of CdS:I thin films prepared with varying substrate temperature" M.Sc. (Co) |
| 5. | Muhammad Iqbal | 1986-88 | "Effects of annealing on the properties of reactively evaporated In_2O_3 thin films" M.Phil. |
| 6. | Rehana Rafiq | 1986-88 | "Optical, electrical and structural properties of CdS:I thin films" M.Phil. |
| 7. | Lt. A.D. Khan | 1986-88 | "Effects of substrate temperature variations on the properties of reactively evaporated In_2O_3 thin films" M.Phil. |
| 8. | Riffat Mumtaz | 1986-88 | "Doping effects of CdCl ₂ on the properties of thermally evaporated CdS thin films" M.Phil. |
| 9. | Naseer-ud-Din | 1987-89 | "Study of optical and structural properties of vacuum evaporated CdTe thin films" M.Phil. |
| 10. | S. Nasir A. Abidi | 1988-90 | "Fabrication and characterisation of heterojunction solar cells" M.Phil. |
| 11. | Nazar Abbas Shah | 1988-90 | "Preparation and study of Cu-doped CdTe thin films" M.Phil. |
| 12. | Hafiz Abdul Nasir | 1988-90 | "A study of preparation and properties of CdS & CdTe materials for PV applications" M.Phil. (Co) |
| 13. | M. Amin Mughal | 1989-91 | "Preparation and characterisation of $Zn_xCd_{1-x}S$ thin films" M.Phil. |
| 14. | Ishtiaq Ahmed | 1989-91 | "Study of the variation in electro-optical properties of $Zn_xCd_{1-x}S$ thin films" M.Phil. |
| 15. | Iftikhar Ahmed | 1990-92 | "Computational analysis of ITO/InP solar cells" M.Phil. (Co) |
| 16. | Khalid Mansoor | 1990-92 | "Numerical analysis of ITO/InP solar cell data" M.Phil. (Co) |
| 17. | Qayyum N. Chohan | 1990-92 | "Preparation and characterisation of organo-metallic compound thin films" M.Phil. (Co) |
| 18. | S. Rizwan A. Alvi | 1990-92 | "Preparation and characterisation of doped $Zn_{0.1}Cd_{0.9}S$ thin films" M.Phil. |
| 19. | M. Shafiq Ahmed | 1991-93 | "Preparation of CdS/Cu ₂ S solar cells" M.Sc. (Co) |
| 20. | Naveed Ahmed | 1991-93 | "A study of the electro-optical properties of $Zn_xCd_{1-x}S$ thin films" M.Sc. (Co) |
| 21. | Dilawaiz Nazir | 1991-93 | "I-V modelling of heterojunction PV devices" M.Phil. |
| 22. | Aslam Mahboob | 1991-93 | "Preparation and characterisation of doped $Zn_{0.2}Cd_{0.8}S$ thin films" $\textbf{M.Phil.}$ |

| 23. | Ghazanfer S. Malik | 1991-93 | "Preparation and Auger electron spectroscopy of SiC/Si samples" M.Phil. |
|-----|--------------------|-----------|--|
| 24. | Ejaz Ahmed | 1991-93 | "Preparation and characterisation of SiC thin films" M.Phil. |
| 25. | Naureen Yousaf | 1991-93 | "Current-voltage modelling of NIST silicon solar cells" M.Phil. |
| 26. | Mrs. Razia K. Rai | 1992-94 | "Preparation and study of optical and electrical properties of CdS films from industrial pigment material" M.Phil. (Co) |
| 27. | Rai Khalid M. Khan | 1992-94 | "The preparation and study of optical properties of manganese phosphate glasses" M.Phil. (Co) |
| 28. | Shazia Yasin | 1992-94 | "Effect of ohmic contacts on the properties of CdS/CdTe solar cells" M.Phil. |
| 29. | Aneela Ruby | 1992-94 | "Preparation of TiO ₂ thin films for application in photo- electrochemical solar cells" M.Phil. |
| 30. | Ambreen Mirza | 1992-94 | "Preparation and characterisation of ZnTe thin films for photovoltaic applications" M.Phil. |
| 31. | Bashir A. Tahir | 1992-94 | "A study of crystalline Si solar cells" M.Phil. |
| 32. | Majida Chaudhry | 1992-94 | "One diode modelling of heterojunction solar cells" M.Phil. |
| 33. | Kamila Rehman | 1993-95 | "Preparation and characterisation of SEL deposited CuInSe thin films" M.Phil. |
| 34. | M. Hammad Asghar | 1993-95 | "Fabrication, characterisation and interface study of CdS/CdTe thin film solar cells" M.Phil. |
| 35. | Nadeem Ahmed | 1994-96 | "Two diode modelling of solar cells" M.Sc. (Co) |
| 36. | Muhammad Ashraf | 1994-96 | "Numerical modelling of ITO/InP solar cells" M.Sc. (Co) |
| 37. | Maj. M.I. Munawwa | ır1997-99 | "2-diode modelling of heterojunction solar cells" M.Phil. |
| 38. | S. Nudrat Humera | 1997-99 | "AES analysis of Josephson tunnel junctions" M.Phil. |
| 39. | Javed Rafiq | 1997-99 | "Auger electron spectroscopic analysis of multi-layered quantum well structures" M.Phil. |
| 40. | Lt. Ashfaq A. Naz | 1997-99 | "Preparation and characterization of multi-stack SEL deposited CuInSe_x films" M.Phil. |
| 41. | M. Abbas Bari | 1998-00 | "Study of residual electrical resistivity in $Cu_{1-x}Au_x$, $Cu_{1-x}Ag_x$, $Ni_{1-x}Au_x$, $Fe_{1-x}Ni_x$ and $Pt_{1-x}V_x$ binary alloys due to short range order" M.Phil. (Co) |
| 42. | Mazhar H. Bokhari | 2000-02 | "Deposition and study of structural, optical, photoconductivity and dielectric properties of Al_2O_3 thin films" M.Phil. |
| 43. | Athar Javed | 2000-02 | "Preparation and characterization of CIGS thin films" M.Phil. |
| 44. | M. Ashfaq | 2000-02 | "Deposition of AlN thin films and its structural and dielectric characterization" M.Phil. |
| 45. | Humera Nosheen | 2000-02 | "Numerical analysis and theoretical fitting of experimental current voltage data of ITO/InP solar cells" M.Phil. |

| 46. | Fouzia Jabeen | 2000-02 | "Optical, structural and electrical analysis of Zn_xCdTe " M.Sc. (Co) |
|-----|------------------|----------|---|
| 47. | Kamran-ul-Hassan | 2000-02 | "Thin film deposition of CdTe and study of its optical and structural properties" M.Sc. (Co) |
| 48. | Aneeqa Bashir | 2000-02 | "Investigation of PL spectra in self-assembled QDs" M.Phil. (Co) |
| 49. | Muneer A. Shad | 2001-03 | "Dielectric properties of chlorine doped ZnS", M.Phil. |
| 50. | Aamir Mukhtar | 2001-03 | "Optoelectrical and structural properties of cadmium chalcogenides" M.Phil. |
| 51. | Ayesha Farooq | 2001-03 | "Phase variation and optical characterization of $CdSe_{0.1}Te_{0.9}$ and $CdSe_{0.6}Te_{0.4}$ thin films" M.Phil. |
| 52. | Ambreen Ayub | 2001-03 | "Phase transformation studies of CIGS thin films by XRD" M.Phil. (Co) |
| 53. | Altaf Hussain | 2001-03 | "Critical Evaluation of atmospheric pressure glow discharges" M.Phil. (Co) |
| 54. | Sher Muhammad | 2001-03 | "X-ray diffraction analyses of locally available ZnCl ₂ & S mixtures at different temperatures" M.Phil. |
| 55. | Rizwan Ahmad | 2001-03 | "Use of mass spectrometry for analysis of various compounds" M.Phil. |
| 56. | Imran Akram | 2002-04 | "Feasibility of utilization of domestic hot water in Pakistan" M.Phil. |
| 57. | Mahmood-ul-Hassa | n2002-04 | "Dependence of structural properties of CIGS thin films on reaction time at 250 & 450 °C" M.Phil. |
| 58. | Muhammad Umer | 2002-04 | "On the use of X-ray Diffraction for in-depth characterization of solid materials" M.Phil. |
| 59. | Salman Mahmood | 2002-04 | "Dependence of optical and structural characteristics of CdSeTe thin films on reaction time at different temperatures" M.Phil. |
| 60. | M. Farooq Sabir | 2002-04 | "Optical and structural properties of $CdSe_{0.6}Te_{0.4}$ thin films on reaction time at different temperatures" M.Phil. |
| 61. | S. Uzma Kafayat | 2003-05 | "Preparation & characterization of alumina films by sol-gel method" M.Sc. (Co) |
| 62. | Mehrun-Nisa | 2003-05 | "Preparation & characterization of silica films by sol-gel method" M.Sc. (Co) |
| 63. | Raheel Abbas | 2003-05 | "Use of spark source mass spectrometry for analysis of various materials" M.Phil. |
| 64. | Shumaila Islam | 2004-06 | "Mullite transformation kinetics in B_2O_3 -enhanced aluminum silicate gels" M.Phil. |
| 65. | Samreen Usman | 2004-06 | "Preparation, phase transformation and crack alleviation in solgel based titania" M.Phil. |
| 66. | Muhammad Imran | 2004-06 | "Fabrication and study of various absorbing media based systems |

| 67. | Sikander Hayat | 2002-06 | "Construction and study of a test chamber for electrical testing" B.Sc. (Hons) (Co) |
|-----|--------------------|---------|---|
| 68. | Muhammad Ijaz | 2002-06 | "A study of the memory devices in controlled environment" B.Sc. (Hons) (Co) |
| 69. | Zaib-un-Nisa | 2002-06 | "Elemental analyses of metallic materials by using spark source mass spectrometry" B.Sc. (Hons) (Co) |
| 70. | Sana Batool | 2002-06 | "Elemental analyses of semiconductor materials using spark source mass spectrometry" B.Sc. (Hons) (Co) |
| 71. | Qurat-ul-Ain | 2003-07 | "ESR studies of aluminium based thin films" B.Sc. (Hons) (Co) |
| 72. | Kamran Siddique | 2004-06 | "Preparation and ESR studies of aluminium and its compound thin films" M.Phil. |
| 73. | Samiullah Khan | 2004-06 | "Preparation and characterization of Cu-doped CdTe thin films" M.Phil. |
| 74. | Salma Iqbal | 2004-06 | "Preparation and characterization of TiO ₂ thin films for photoelectrochemcial solar cells" M.Phil. |
| 75. | M. Junaid Amjad | 2004-06 | "Preparation and characterization of CoFeNi magnetic thin films" M.Phil. |
| 76. | Qamer Zia | 2004-06 | "Dielectric properties of barium titanate" M.Phil. |
| 77. | Saima Fazal | 2004-06 | "Study of deep levels in p-Si using Deep Level Transient Spectroscopy" M.Phil. |
| 78. | Sumera Siddique | 2004-06 | "Creation of diffused Si p-n junction and study of deep level defects in it by using DLTS" M.Phil. |
| 79. | Saira Riaz | 2004-07 | "Preparation and characterization of advanced materials for electronic and opto-electronic devices" Ph.D. |
| 80. | M. Hammad Asghar | 2004-07 | "Design, preparation and characterization of optical coatings in visible and infrared band" Ph.D. |
| 81. | Farooq Ahmed | 2004-06 | "Fabrication and characterization of CdTe Schottky junctions for optoelectronic devices" M.Phil. |
| 82. | Muhammad Ahmed | 2004-06 | "Simulation of FEM of resist profile using PROLITH" M.Phil. |
| 83. | Saima Shafique | 2004-06 | "Study of levels in n-type 4-H SiC through DLTS and effect of metal on barrier height" M.Phil. |
| 84. | Asif Mirza | 2004-06 | "Modelling & designing of MEMS bent beam electrothermal actuators using ANSYS" M.Phil. |
| 85. | M. Saeed Akhtar | 2004-06 | "Photoresist modelling and simulation of critical dimension of positive photoresist using PROLITH" M.Phil. |
| 86. | Aamir Farooq Malik | 2005-07 | "Modelling and designing of RF MEMS switch using ANSYS" M.Phil. |
| 87. | Mansoor Ahmed | 2005-07 | "Preparation and characterization of CoPt and CoCrPt nanowires using sol-gel technique" M.Phil. |

| 88. | Muhammad Khalid | 2005-07 | "Modelling of self-heating effect in fully depleted SOI n-MOSFET using SPICE" M.Phil. |
|------|----------------------|----------|---|
| 89. | M. Zafar ullah Kazii | m2005-07 | "SPICE modelling of parasitic BJT effect in partially depleted SOI n-MOSFET" M.Phil. |
| 90. | M.A.K. Lodhi | 2005-07 | "Optimization of images using Scanning Probe Microscope" M.Phil. |
| 91. | Aftab Farrukh | 2005-07 | "Characterization of MTJs for the i-layer using spectroscopic ellipsometer" M.Phil. |
| 92. | Muhammad Shoaib | 2005-07 | "Modelling and designing of MEMS actuators using ANSYS" M.Phil. |
| 93. | Waheed Ahmed | 2005-07 | "Optimization of resist development for optical lithography" M.Phil. (Co) |
| 94. | Farman Z. Malik | 2005-07 | "Preparation and characterization of CoNiFe thin films using electrochemical deposition" M.Phil. |
| 95. | M. Waseem Ashraf | 2005-07 | "SPM imaging, device fabrication and surface characterization" M.Phil. |
| 96. | Mohsin I. Piracha | 2005-07 | "Preparation and characterization of $Cu(In,Al)Se_2$ thin films at reaction temperature of 250 °C and 450 °C" M.Phil. |
| 97. | M. Altaf-ul-Haq | 2005-07 | "Modelling of temperature dependent kink effect in partially depleted n-MOSFET" M.Phil. |
| 98. | M. Usman Ansari | 2005-07 | "Carbon nanotube synthesis and their characterization" M.Phil. |
| 99. | M. Ghayas ud Din | 2005-07 | "A study on VLSI design methodologies and development of design flow" M.Phil. |
| 100. | Ayesha Younis | 2005-07 | "Semiconductor LASER fabrication and its characterization" M.Phil. |
| 101. | Muhammad Saeed | 2005-07 | "Study of changes in the properties of CoB under various conditions" M.Phil. |
| 102. | Ayesha Kanwal | 2006-08 | "Use of spark source mass spectrometry for analysis of aerosol material" M.Phil. |
| 103. | Amber Islam | 2006-08 | "Optical characterization of copper indium aluminium diselenide (CIAS) thin films by spectroscopic ellipsometry" M.Phil. |
| 104. | Zohra N. Kayani | 2005-08 | "Preparation and characterization of ferroelectric and ferromagnetic thin films" Ph.D. |
| 105. | Rehana Zia | 2005-08 | "Preparation and characterization of CdTe based thin film solar cells" Ph.D. (Co) |
| 106. | Naveed Ahmed | 2005-08 | "Urban aerosol measurements and their study by the use of XRD and mass spectrometry" $Ph.D.\ (Co)$ |
| 107. | Ayesha Sadiqa | 2007-09 | "Fabrication and electrical characterization of Schottky field effect transistors" M.Phil. |
| 108. | Zoobia Ameer | 2007-09 | "Preparation possibilities of template assisted nano-growth", M.Phil. (Co) |

| 109. Sobia Jabeen | 2007-09 | "Fabrication and characterization of plasma treated $Co_{78}B_{22}$ magnetic tunnel junctions" M.Phil. (Co) |
|------------------------|-----------|--|
| 110. Qurat-ul-Ain | 2007-09 | "Structural and magnetic properties of ZnO thin films through sol-gel route" M.Phil. (Co) |
| 111. Murtaza Saleem | 2008-12 | "Preparation and characterization of ZnO based diluted magnetic semiconductor (DMS) materials" Ph.D. (Co) |
| 112. Muhammad Khalid | 2008-10 | "Designing and simulation of silicon carbide based devices for power applications" Ph.D. |
| 113. Muhammad Farooq | 2008-10 | "Development & characterization of zirconia yttria thermal barrier coatings (TBCs) produced by low pressure plasma spraying techniques" Ph.D. |
| 114. M. Altaf Hussain | 2008-10 | "Noise optimization of low power CMOS charge amplifier using simulation environment of ELDO ^(R) " M.Phil. |
| 115. Arfan Bukhtiar | 2008-10 | "Influence of gate oxide thickness on 20nm PD SOI n-channel MOSFET using TCAD" M.Phil. |
| 116. S. Shahbaz Ali | 2008-10 | "Power macro-modelling for CMOS inverter with parasitic capacitances using 0.12µm technology" M.Phil. |
| 117. Nazia Erum | 2008-10 | "Modelling of experimental data of p-n heterojunction for opto- electronic applications" M.Phil. |
| 118. Muhammad Nadeen | n2008-10 | "Theoretical and experimental determination of optical properties of sol-gel deposited ZnO thin films" M.Phil . |
| 119. M. Yasir Rafique | 2008-10 | "Design and simulation of Class D amplifier with control of modulation frequency by voltage" M.Phil. |
| 120. Bilal Arif | 2008-10 | "Study of CMOS inverter with parasitic capacitances in 0.12 μm technology for low power applications" $\textbf{M.Phil.}$ |
| 121. Muhammad Azam | 2008-10 | "Designing and simulation of optoelectronic devices using Synopsys TCAD" M.Phil. |
| 122. Muhammad Yasir | 2008-10 | "Fabrication and characterization of carbon nanostructure based Field Effect Transistor" M.Phil. (Co) |
| 123. M Saeed Akhtar | 2008-15 | "Preparation and characterization of ZnS based half metallic ferromagnets" Ph.D. |
| 124. Imran Sadiq | 2009-12 | "Influence of rare earth elements on hexagonal ferrites for high frequency applications" Ph.D. (Co) |
| 125. Muhammad Umer | 2009-11 | "Influence of active silicon thickness on 20nm FD SOI n-channel MOSFET using Synopsys TCAD" M.Phil. |
| 126. M. Farooq Saleem | 2009-11 " | Designing and simulation of electrical characteristics of normally- off 4H-SiC vertical junction FET using Sentaurus TCAD" M.Phil. |
| 127. Tayyab Abbas Shah | 2009-11 | "Study of the effects of Co nanoparticles on the properties of carbon nanotubes" M.Phil. (Co) |
| 128. Rizwana Nawaz | 2009-11 | "Sol-Gel deposited ZnO for solar cell applications" M.Phil. (Co) |

| 129. Muhammad Rashid | 2009-11 | "Fabrication and characterization of carbon nanostructures based photodetectors" M.Phil. (Co) |
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| 130. Mian Kashif Safeen | 2009-11 | "Preparation and characterization of transition metal doped ZnO thin films" M.Phil. (Co) |
| 131. Mian Akif Safeen | 2009-11 | "Preparation and characterization of undoped ZnO thin films" M.Phil. (Co) |
| 132. M. Imran Irshad | 2009-11 | "Preparation and characterization of FeNiCo multi-layered magnetic thin films by electrodeposition" M.Phil. (Co) |
| 133. Farhan Ahmed | 2009-11 | "Determination of optical constants of sol-gel deposited SiO ₂ thin films using spectroscopic ellipsometry" M.Phil. (Co) |
| 134. Farzana Majid | 2009-14 | "Experimental investigations of bismuth iron oxide based nanostructures and their correlation with theory" Ph.D. |
| 135. Amjad Farid | 2010-12 | "Study of ion beam irradiation effects on structural properties of single-crystal GaN thin films by RBS/Channeling" M.Phil. |
| 136. Karim Khan | 2010-12 | "Study of ion beam irradiation effects on structural properties of single-crystal AlN thin films by RBS/Channeling", M.Phil. |
| 137. Yasir Abdul Haleen | n 2010-12 | "Characterizations and functionalization of diamond nanocrystalline samples" M.Phil. |
| 138. Shahid Iqbal | 2010-12 | "Study of high energy (MeV) ion beam irradiation effects on physical properties of multi-walled carbon nanotubes" M.Phil. |
| | | |
| 139. Shandana Fatima | 2010-12 | "Modeling and simulations of advanced optical materials" M.Phil. |
| 139. Shandana Fatima 140. Abdul Aziz | | |
| | | M.Phil. "Fabrication and characterization of photoelectrochemical cells" |
| 140. Abdul Aziz | 2010-12 2010-12 | M.Phil."Fabrication and characterization of photoelectrochemical cells"M.Phil."Development and confocal images of nanoparticles in |
| 140. Abdul Aziz 141. Tahir Mahmood | 2010-12 2010-12 | M.Phil. "Fabrication and characterization of photoelectrochemical cells" M.Phil. "Development and confocal images of nanoparticles in photodynamic therapy" M.Phil. |
| 140. Abdul Aziz141. Tahir Mahmood142. Sajid Farooq | 2010-12 2010-12 2010-12 | M.Phil. "Fabrication and characterization of photoelectrochemical cells" M.Phil. "Development and confocal images of nanoparticles in photodynamic therapy" M.Phil. "ZnO/Si solar cell fabrication through sol-gel route" M.Phil. |
| 140. Abdul Aziz141. Tahir Mahmood142. Sajid Farooq143. M. Sulaman | 2010-12 2010-12 2010-12 2010-12 | M.Phil. "Fabrication and characterization of photoelectrochemical cells" M.Phil. "Development and confocal images of nanoparticles in photodynamic therapy" M.Phil. "ZnO/Si solar cell fabrication through sol-gel route" M.Phil. "Fabrication of carbon nanotube based back gate FET" M.Phil. |
| 140. Abdul Aziz141. Tahir Mahmood142. Sajid Farooq143. M. Sulaman144. Imran Ali | 2010-12 2010-12 2010-12 2010-12 2010-12 2010-12 | M.Phil. "Fabrication and characterization of photoelectrochemical cells" M.Phil. "Development and confocal images of nanoparticles in photodynamic therapy" M.Phil. "ZnO/Si solar cell fabrication through sol-gel route" M.Phil. "Fabrication of carbon nanotube based back gate FET" M.Phil. "Fabrication of screen printed CdS/CdTe solar cell" M.Phil. "Preparation and characterization of superconducting thin films |
| 140. Abdul Aziz141. Tahir Mahmood142. Sajid Farooq143. M. Sulaman144. Imran Ali145. Usman Khan | 2010-12 2010-12 2010-12 2010-12 2010-12 2010-12 | M.Phil. "Fabrication and characterization of photoelectrochemical cells" M.Phil. "Development and confocal images of nanoparticles in photodynamic therapy" M.Phil. "ZnO/Si solar cell fabrication through sol-gel route" M.Phil. "Fabrication of carbon nanotube based back gate FET" M.Phil. "Fabrication of screen printed CdS/CdTe solar cell" M.Phil. "Preparation and characterization of superconducting thin films and devices" M.Phil. "Fabrication and characterization of ZnCdS/CdTe thin film solar |
| 140. Abdul Aziz 141. Tahir Mahmood 142. Sajid Farooq 143. M. Sulaman 144. Imran Ali 145. Usman Khan 146. Muhammad Ashraf | 2010-12 2010-12 2010-12 2010-12 2010-12 2010-12 | M.Phil. "Fabrication and characterization of photoelectrochemical cells" M.Phil. "Development and confocal images of nanoparticles in photodynamic therapy" M.Phil. "ZnO/Si solar cell fabrication through sol-gel route" M.Phil. "Fabrication of carbon nanotube based back gate FET" M.Phil. "Fabrication of screen printed CdS/CdTe solar cell" M.Phil. "Preparation and characterization of superconducting thin films and devices" M.Phil. "Fabrication and characterization of ZnCdS/CdTe thin film solar cells" M.Phil. "Preparation and characterization of ZnCdS/CdTe thin film solar cells" M.Phil. |

| 150. Zeeshan Muhammad2010-12 | | "Simulation of visible-band UV photodetector based on GaN" M.Phil. |
|------------------------------|---------|--|
| 151. Arsalan Ahmad | 2010-12 | "Optical and electrical characterization of thin transparent conducting oxides for photovoltaic applications" M.Phil. |
| 152. M. Amer Mustafa | 2010-12 | "Study of impact ionization in the 3D FinFET structures by varying channel doping concentration at higher temperature using SYNOPSYS TCAD" M.Phil. (Co) |
| 153. Iqra Jafer | 2010-12 | "Modelling and designing of SMA actuated RF MEMS switch using ANSYS" M.Phil. (Co) |
| 154. Kaleem Ullah | 2010-12 | "Study of the effect of channel doping concentration and temperature on the impact ionization of n-channel FD SO MOSFET using TCAD" M.Phil. (Co) |
| 155. Hareem Arif | 2010-12 | "Simulation and modelling of GaN/AlGaN VHFET using TCAD" M.Phil. (Co) |
| 156. Azim Khan | 2011-13 | "Fabrication and characterization of functionalized multi-walled carbon nanotube-epoxy composites" M.Phil. |
| 157. Khalil Ahmad | 2011-13 | "Numerical analysis and theoretical fitting of experimental current voltage data of ITO/InP solar cell" M.Phil. |
| 158. Faisal Nazir | 2011-13 | "Design and simulation of optical filters using MATLAB" M.Phil. |
| 159. Basit Ali | 2011-13 | "Deposition and characterization of YBCO thin film by sputtering" M.Phil. |
| 160. Raja Shehryar Ali | 2011-13 | "Study of structural, optical and electrical properties of iron oxide thin films fabricated by RF magnetron sputtering" M.Phil. |
| 161. Sajid Nadeem | 2011-13 | "Fabrication and characterization of iron oxide thin films at various sputtering gas pressure by RF magnetron sputtering" M.Phil. |
| 162. Sulaiman | 2011-13 | "Electromagnetic interference shielding in the 2 to 18 Ghz frequency range using multilayer and uniform layer nanocomposite" M.Phil. |
| 163. Asif Hussain | 2011-13 | "Implementation of SMA based actuated RF MEMS reconfigurable antenna" M.Phil. |
| 164. Mehboob Ahmed | 2011-13 | "Simulation of forward and breakdown characteristics of normally-off 4H-SiC VJFET using TCAD simulator" M.Phil. |
| 165. Shoaib Anwer | 2011-13 | "Natural dye sensitized solar cell" M.Phil. |
| 166. M. Ahsan Ali | 2011-13 | "Study of structural, optical and electrical properties of chromium nitride thin films fabricated by RF magnetron sputtering" M.Phil. |
| 167. Haroon M. Jaral | 2011-13 | "Influence of magnetic annealing on structural and magnetic properties of magnetite (Fe ₃ O ₄) thin films fabricated by RF magnetron sputtering" M.Phil. |
| 168. Haroon C. Sam | 2011-13 | "Development of titanium dioxide nano-coatings by sol-gel and sputtering" M.Phil. |

| 169. Anam Azam | 2011-13 | "Preparation, characterization and optimization of CuIn(Ga ₁ . $_x$ Al _x)Se ₂ for x=0.0, 0.2, 0.4, 0.6, 0.8 and 1.0 thin films for photovoltaic applications" M.Phil. (Co) |
|-----------------------|---------|---|
| 170. S. Sohail A Shah | 2012-14 | "Fascile decoration of carbon nanostructures with magnetic nanoparticles for device fabrication and biotechnological applications" M.Phil. |
| 171. Abdur Rauf | 2012-14 | "Characterization of grapheme decorated with chemically synthesized magnetic nanoparticles" M.Phil. |
| 172. Lubna Naheed | 2012-14 | "Development and characterization of AlYiN/Si $_3$ N $_4$ nanocomposite coatings produced by lateral arc rotation cathode technology" M.Phil. |
| 173. Muhammad Tahir | 2012-14 | "Extraction of nano-silica from rice husk ash" M.Phil. |
| 174. Kanwal Amanat | 2012-14 | "Designing a magnitude comparator for servo loop testing method using Mentor Graphics tools" M.Phil. |
| 175. Sumbal Zahoor | 2012-14 | "Design and implementation of an efficient FIR filter using Mentor Graphics tools" M.Phil. |
| 176. M. Faisal Iqbal | 2012-14 | "Effect of N_2 pressure variation on the structural and dielectric properties of the RF-magnetron sputter deposited CrN thin films", M.Phil. |
| 177. Zahid Ali | 2012-14 | "Effect of N_2 pressure variation on the structural and dielectric properties of the RF magnetron sputter deposited CrN thin films", M.Phil. |
| 178. Farman U Khan | 2012-14 | "Effect of annealing temperature on the structural and optical properties of TiO ₂ thin films prepared by sol-gel method" M.Phil. |
| 179. Mutee ur Rehman | 2013-15 | "Effect of Al doping on structural and magnetic properties of iron oxide thin films prepared by sol-gel method" M.Phil. |
| 180. Abdul Qayyoum | 2013-15 | "Effect of Co doping on structural and magnetic properties of hematite thin films" M.Phil. |
| 181. Faizan Ali | 2013-15 | "Design and simulation of multi arithmetic operations integrated circuit using Mentor Graphics (EDA) tools" M.Phil. |
| 182. Ali Hassan | 2013-15 | "Effect of N-doping on structural, optical dielectric and magnetic properties of RF sputtered ZnO thin films" M.Phil. |
| 183. Munazza Gul | 2013-15 | "Synthesis of grapheme-silver nanowires heterostructure and their nanocomposites for microwave absorption" M.Phil. |
| 184. Sidra Shuja | 2013-15 | "Proton induced gamma-ray emission standardization at 5UDH-2 tandem accelerator facility (EPD) NCP" M.Phil. |
| 185. M. Faisal Iqbal | 2013-15 | "Effect of N_2 pressure variation on the structural and optical properties of the RF-magnetron sputter deposited CrN thin films" M.Phil. |
| 186. M. Zubair | 2013-15 | "Ion beam irradiation of polycrystalline graphite and its effect on structural changes and radiation defects in graphite" M.Phil. |

| 187. Khalil ur Rahman | 2013-15 | "Ion beam irradiation induced modification of ZnO nanowires thin films on ITO coated glass" M.Phil. |
|-------------------------|---------|---|
| 188. Maryam Basit | 2013-15 | "Synthesis of ZnO/CNT nanocomposites for ultraviolet sensors" $\mathbf{M.Phil.}$ |
| 189. M. Hussain Iqbal | 2013-15 | "I-V modelling of heterojunction PV devices", M.Phil. |
| 190. S. Shahzad Hassan | 2013-15 | "I-V modelling of RF sputtered thin film ITO/GaAs p-type single crystal heterojunction space solar cells" M.Phil. |
| 191. Abbas Ahmed Khan | 2013-15 | "TCAD based designing and simulations of GaN detector" M.Phil. |
| 192. S. Mazhar H. Shah | 2013-16 | "Preparation and characterization of BiFeO ₃ thin films through chemical routes" Ph.D. (Co) |
| 193. Adnan Ali | 2013-15 | "Effect of pH variation on the properties of sol-gel deposited iron oxide thin films" M.Phil. |
| 194. Awais Sarwar | 2013-15 | "Fabrication and photovoltaic characteristics of $\text{CuO}_2/\text{TiO}_2$ thin film heterojunction" $\textbf{M.Phil.}$ |
| 195. M. Salman Jutt | 2014-16 | "Structural and optical investigations of nano ball milled materials for optical applications" M.Phil. |
| 196. M. Shakeel | 2014-16 | "Effect of chemical bath deposition (CBD) deposited ZnO thin films on the reflection properties of stainless steel (201) substrate" M.Phil. |
| 197. Briya Tariq | 2014-16 | "Exploring the possibilities of rolling advanced materials for tube formation" M.Phil. |
| 198. Kiran Idrees | 2014-16 | "Synthesis and characterization of graphene based pH sensors" M.Phil. |
| 199. Faiza Arshad | 2014-16 | "Fabrication of gold nanoparticles based multiple tunnel junction field effect transistor (MTJFET) M.Phil. |
| 200. Fida Ali | 2014-16 | "Fabrication and characterization of ZnO nanotubes based solar cell" M.Phil. |
| 201. H. Nouraiz Mushtaq | 2014-16 | "Chemical bath deposition of ZnO thin films: Effect of reactants concentration" M.Phil. |
| 202. M. Favad Qadir | 2014-16 | "Designing and simulation of CMOS based multiplier ASIC for electronic circuitry in instrumentation" M.Phil. |
| 203. M. Sarfraz Arshad | 2014-16 | "Effect of carbonate ion on proton conducting and oxide ion conducting nanocomposite electrolytes for solid oxide fuel cells" M.Phil. |
| 204. Zobia Arshad | 2014-16 | "Solution based synthesis, characterization and antibacterial properties of gold nanoparticles" M.Phil. |
| 205. Ajmal Khan | 2014-16 | "Epoxy / glass fiber composites reinforced with 0D and 2D nanofillers" M.Phil. |
| 206. Sajid Ali | 2014-16 | "Effect of Chemical Bath Deposition (CBD) deposited ZnO thin films on the reflection properties of aluminium alloy (2024) substrate" M.Phil. |

| 207. Sadaf Jabbar | 2014-16 | "Extraction of graphene oxide from coal" M.Phil. |
|---------------------|---------|--|
| 208. Rana Ali Ahmad | 2014-16 | "Fabrication and characterization of carbon nanostructure based field effect transistors (CNFETs) M.Phil. |
| 209. Shehla Jabeen | 2014-16 | "Fabrication of silver nanoparticles based multiple tunnel junction field effect transistor (MTJFET) M.Phil. |
| 210. Iqra Haroon | 2014-16 | "Fabrication and characterization of carbon nanostructure based gas sensors" M.Phil. |
| 211. Maryam Nadeem | 2014-16 | "Liquid phase synthesis, characterization and anti-bacterial activity of nickel nanoparticles" M.Phil. |
| 212. Izhar-ul-Haq | 2014-16 | "Microwave properties of nanocomposites filled with dielectric and magnetic nanoparticles" M.Phil. |
| 213. Sundas Yasin | 2014-16 | "Fabrication and characterization of carbon nanotubes based cholesterol detection sensor" M.Phil. |
| 214. Anum Rauf | 2014-16 | "Liquid based synthesis, characterization and antibacterial activity of silver nanoparticles" M.Phil. |
| 215. Aseya Akbar | 2012-17 | "Preparation and characterization of different iron oxide phases for advanced applications" Ph.D. (Co) |
| 216. Fouzia Hanif | 2014-16 | "Effect of exposure time on the sensitivity of chemically prepared BFO nanoparticles based gas sensor" M.Phil. |
| 217. Umbar Hanif | 2014-16 | "Exploring the possibilities for tube formation by curling of thin films" M.Phil. |
| 218. M Favad Malik | 2014-16 | "Designing and simulation of CMOS based multipliers ASIC for electronic circuitry in instrumentation" M.Phil. |
| 219. Mahwish Bashir | 2012-17 | "Stabilization of zirconia using different experimental methods and their applications" Ph.D. (Co) |
| 220. Shehla Honey | 2012-17 | "Ion beam irradiation effects in metallic nanowires used for transparent electrodes" Ph.D. |