

Curriculum Vitae: March07_2024

Dr. Muhammad Jamil
S/O Mansab Ali Awan



Tenured Associate Professor in Physics
Department of Physics
COMSATS University Islamabad, Lahore Campus
Cell No: 0333-4742002
Email: jamil.gcu@gmail.com, drmjamil@cuilahore.edu.pk

Terminal Qualification: Ph.D.

PhD Supervision:

1-Mr. Arroj Ahmad Khan:

“Study of potentials in dense plasmas” **Completed Nov 2019**

2-Areeb Fatima:

“Collective interactions in dense plasmas” **Completed Dec 2019**

3- Zahid Mir:

“Study of Nonlinear Interactions in Dense Plasmas” **Completed Aug 2021**

4- Ayesha Rehman:

“The study and analysis of collective interactions in low beta dense Plasmas” **Completed Sept 2022**

5- Muhammad Siddique (Supervisor 2):

“Study of collective modes in quantum plasmas” **Completed Jan 2020**

MS (M. Phil) Supervision:

1- Zahid Mir:

“Study of Jeans Stability in Quantum Dusty Magneto Plasmas” **Completed June 2014**

2- Muhammad Siddique, (Co supervision.):

“Study of acoustic modes in quantized semiconductor plasmas” **Completed**

3-Muhammad Amir Shabbir

“Jeans-Alfvén Instability in Quantum Magneto Plasmas” **Completed July 2016**

4- Gazanfar Ali

“Streaming Jeans-Alfvén Instability in quantum Magneto Plasmas” **Completed July 2016**

5- Sahar Akram

“The exchange Correlation effect on Jeans-Alfvén Instability in quantum Magneto Plasmas” **Completed July 2016**

6- Muhammad Jhangir

“Electrostatic Instability in Bounded Semiconductor Quantum Plasma” **Completed June 2017**

7- Muhammad Tanveer Abbas

“Streaming Instability with Exchange Field in Quantum Dusty Plasma” **Completed June 2017**

8-Sheraz Sharif

“Low Frequency Sonic Plasmon Instability in Quantum Semiconductor Plasmas” **Completed June2018**

9- Rubina

“Study of dust-acoustic-waves with dust charge fluctuation in Quantum Plasma” **Completed June2018**

10-Asif Zahoor

“Study of Streaming Dust Acoustic Instability in Quantum Plasmas” **Completed June2018**

11- Umair Ahmad

“The Study of Dust Acoustic Waves in Degenerate Plasma” **Completed June2018**

12- Tayyaba Zafar

“Instability Analysis of Longitudinal Surface Mode in Quantum Plasmas” **Completed Jan 2019**

13- Aftab Ahmad

“Study of Quantized Magnetic Field in Streaming Gravitational Dense Plasmas” **Completed Jan2019**

14-Amir Sohail

Study of Magnetic Quantization in Gravitational Inhomogeneous Quantum Plasma” **CompletedJan2019**

15) Zahra Shahid

“Landau Quantization effect on Jeans Instability in Dense Plasmas” **Completed July2019**

16) Abdul Waheed

“Oxygen Cyclotron Harmonic Waves in the Inner Magnetosphere” **Completed July2019**

17) Uzma Maqsood

“Electromagnetic Wave Instability with Charge Fluctuation in Semiconductor” **CompletedJuly2019**

18) Mubeen Ali

“Temperature Contributions on Large Amplitude High Frequency Oscillations in Quantum Plasmas”

CompletedJuly2019

19) Iqra Naeem

“Alfven Instability in Charge Fluctuating Quantum Plasma” **CompletedJuly2019**

20) Saad Samee

“ Buneman Instability in Cylindrical Quantum Plasmas” **CompletedFeb2020**

21) M. Asif Nazir

“Kelvin-Helmholtz Instability in Quantum Plasmas” **Completed July2021**

22) M. Ahsan Naeem

“Magnetosonic Instability with Radiation Impact in Semiconductors” **CompletedMarch2022**

23) Aashar Sajjad

“Radiation impact on acoustic waves in Semiconductor Plasmas” **CompletedMarch2022**

24) Waseem Abbas

“Low Hybrid Instability with Radiation Pressure Effects in Semiconductor Plasma” **CompletedMarch2022**

Research Awards:

- Pakistan Council for Science and Technology Research Productivity Award **2011 ,2012, 2013**
- COMSATS Research Productivity Award **2014,2015, 2016, 2017**

Advisory Membership:

- Member **BOS**, Department of Physics, University of the Punjab, Lahore
- Member **BOS**, Department of Physics, Riphah International University, Lahore Campus
- Member graduate committee, Department of Physics, CUI Lahore

External Examiner of PhD Theses:

- 1) Department of Physics, Government College University Faisalabad.
- 2) Department of Physics, Malakand University, Malakand.
- 3) Department of Physics, Riphah International University, Lahore Campus.

External Examiner of MS Theses:

- 1) Department of Physics, Lahore College for Women University, Lahore.
- 2) Department of Physics, GC University Lahore.
- 3) Department of Physics, Government College University Faisalabad.
- 4) Department of Physics, Lahore Garrison University, Lahore.
- 5) Department of Physics, Mirpur University of Science and Technology, Mir Pur.
- 6) Department of Physics, Malakand University, Malakand.
- 7) Department of Physics, Riphah International University, Lahore Campus.

Research Papers: (IF: Impact factor)

IF: Physics of Plasmas (PoP) = **2.357**,

Arabian Journal of Science and Engineering (AJSE) = **2.807**

Plasma Physics and Control Fusion = **2.532**

Journal of Physics D: Applied Phys(J. Phys. D) = **2.373**

Physica Scripta(Phys. Scr)= **2.9**

International Journal of Modern Physics B=1.7

Journal of Plasma Physics (JPP) = **2.691**

Zeitschrift für Naturforschung A(ZNA) =**1.712**

The European Physical Journal Plus(Eur. Phys. J. Plus)= **2.758**

Astrophysics and Space Science (Astro.phys.Space sc)= **1.909**

Physica B: Condensed matter (Phys B: cond.matter) = **2.8**

AIP Advances = **1.6**

Sr	Title/ Authors	J	Vol, page	Year
1	Jeans instability in a quantum dusty magnetoplasma M. Salimullah, M. Jamil , H. A. Shah, G. Murtaza	Phys. Plasmas	16 , 14502	2009

2	Drift wave instability in a nonuniform quantum dusty Magnetoplasma M. Salimullah, M. Jamil , I. Zeba, Ch. Uzma, and H. A. Shah	Phys. Plasmas	16, 34503	2009
3	Potentials in a nonuniform quantum dusty magnetoplasma M. Salimullah, I. Zeba, Ch. Uzma, M. Jamil	Phys. Plasmas	16, 33703	2009
4	Electromagnetic waves in dusty magnetoplasmas using two-potential theory. K. Zubia, M. Jamil , M. Salimullah	Phys. Plasmas	16, 94501	2009
5	Parametric interactions in ion-implanted piezoelectric semiconductor plasmas S. Ghosh, P. Thakur, N. Yadav, M. Jamil , M. Salimullah	AJSE	35,1A, 231	2010
6	Modified screening potential in a high density inhomogeneous quantum dusty magnetoplasma A. Hussain, I. Zeba, M. Salimullah, G. Murtaza, M. Jamil	Phys. Plasmas	17, 54504	2010
7	The parametric decay of Alfvén waves into shear Alfvén waves and dust lower hybrid waves M. Jamil , H. A. Shah, M. Salimullah, K. Zubia, I. Zeba, Ch. Uzma	Phys. Plasmas	17, 73703	2010
8	Colloidal crystal formation in a semiconductor quantum plasma I. Zeba, Ch. Uzma, M. Jamil , M. Salimullah, P. K. Shukla	Phys. Plasmas	17, 32105	2010
9	The parametric decay of DIA waves in nonuniform quantum dusty magnetoplasmas. M. Jamil , M. Shahid, Waris Ali, M. Salimullah, H. A. Shah, G. Murtaza	Phys. Plasmas	18, 63705	2011
10	Erratum "The parametric decay of DIA waves in nonuniform quantum dusty magnetoplasmas". M. Jamil , M. Shahid, Waris Ali, M. Salimullah, H. A. Shah, G. Murtaza	Phys. Plasmas	18, 089902	2011
11	Quantum modification of dust shear Alfvén wave in plasmas M. Jamil , M. Shahid, I. Zeba, M. Salimullah, H. A. Shah, G. Murtaza	Phys. Plasmas	19, 23705	2012
12	Stability analysis of self-gravitational electrostatic drift waves for a streaming nonuniform quantum dusty magnetoplasma M. F. Bashir, M. Jamil , G. Murtaza, M. Salimullah, H. A. Shah	Phys. Plasmas	19, 43701	2012
13	Diamagnetic drift instabilities in collisional non-uniform quantum dusty Magnetoplasmas M. Jamil , Ch. Uzma, K. Zubia, I. Zeba, H. M. Rafique, M. Salimullah	JPP	78, 0589	2012
14	Multi electron species and shielding potentials in plasmas Arroj A. Khan, A. Rasheed, M. Jamil , G. Murtaza	Phys. Plasmas	19, 114501	2012
15	Spin effect on parametric interactions of waves in magnetoplasmas M. Shahid, D. B. Melrose, M. Jamil , G. Murtaza	Phys. Plasmas	19, 12114	2012

16	Shukla-Nambu-Salimullah Potential with multi electron species in magnetoplasmas Arroj A. Khan, M. Jamil , A. Rasheed, and G. Murtaza	Phys. Plasmas	20 , 022107	2013
17	Beam driven Upper-Hybrid Wave Instability in quantized semiconductor plasmas, M. Jamil , A. Rasheed, Ch. Rozina, W. Moslem, M. Salimullah	Phys. Plasmas	21 , 020704	2014
18	Beam excited acoustic instability in semiconductor quantum plasmas A. Rasheed, M. Jamil , M. Siddique, F. Huda, Young-Dae Jung	Phys. Plasmas	21 , 062107	2014
19	Electromagnetic wave instability in a relativistic electron-positron-ion plasma Ch. Rozina, N. L. Tsintsadze, M. Jamil , A. Rasheed, S. Ali	Astr Sp.s	353 (2),485	2014
20	Renormalization screening and collision induced quantum interference in dense plasmas Young-Dae Jung, A. Rasheed, M. Jamil	Phys. Plasmas	21 , 074503	2014
21	Shielding with the dynamics of electron acoustic wave in multi-electron plasmas A. Rasheed, M. Jamil , Arroj A. Khan, W. M. Moslem	Astrophysics and Space science	354 , 395	2014
22	Jeans stability in collisional quantum dusty magnetoplasmas M. Jamil , Zahid Mir, M. Asif and M. Salimullah	Phys. Plasmas	21 , 092111	2014
23	Dust-lower-hybrid instability with fluctuating charge in quantum plasmas M. Jamil , M. Ali, A. Rasheed, K. Zubia, and M. Salimullah	Phys. Plasmas	21 , 032107	2015
24	Quantum Electron-Exchange Effects on the Buneman Instability in Quantum Plasma Woo-Pyo Hong, M. Jamil , A. Rasheed and Young-Dae Jung	Z. Naturforsch .A	70(6) , 413	2015
25	Karpman-Washimi magnetization with electron-exchange effects in quantum plasmas Woo-Pyo Hong, M. Jamil , A. Rasheed, and Young-Dae Jung	Phys. Plasmas	22 , 073302	2015
26	Jeans instability with exchange effects in quantum dusty Magnetoplasmas M. Jamil , A. Rasheed, Ch. Rozina, Y.-D. Jung, and M. Salimullah	Phys. Plasmas	22 , 082113	2015
27	Wake potential with exchange-correlation effects in semiconductor quantum plasmas Arroj A. Khan, M. Jamil , and A. Hussain	Phys. Plasmas	22 , 092103	2015
28	Low frequency hybrid instability in quantum magneto semiconductor plasmas A. Rasheed, M. Jamil , F. Areeb, M. Siddique and M. Salimullah	J.Phys.D	49 , 175109	2016
29	Propagation of ultra-intense electromagnetic waves through electron-positron-ion plasma, Ch. Rozina, N. L. Tsintsadze, and M. Jamil	Phys. Plasmas	23 , 072303	2016

30	Shukla-Spatschek diffusion effects on the spatial damping of space-charge waves in a turbulent plasma waveguide Woo-Pyo Hong, M. Jamil , A. Rasheed and Young-Dae Jung	Eur. Phys. J. Plus	131 , 399	2016
31	Potential surface waves at the vacuum-radiative collisional plasma interface, Arroj A. Khan, Ch. Rozina, and M. Jamil	Phys. Plasmas	23 , 112111	2016
32	SNS potential with exchange field in quantum dusty plasmas I. Zeba, Maryam Batool, Arroj. A. Khan, M. Jamil and Ch. Rozina	Plasma Phys.& Control.Fusion	59 ,025008	2017
33	Jeans-Alfvén instability in quantum dusty Magnetoplasmas, M. Jamil , A.Rasheed, M. Amir, G. Abbas, Young-Dae Jung,	J. Phys. Plasmas	83 , 90583010 6	2017
34	Low frequency waves in streaming quantum dusty plasmas Ch. Rozina, , M. Jamil , Arroj A. Khan, , I. Zeba, and , and J. Saman	Phys. Plasmas	24 , 093702	2017
35	Shear Alfvén Wave with Quantum Exchange Correlation Effects in Plasmas Zahid Mir, M. Jamil , A. Rasheed and M. Asif	Z. Naturforsch .A	72(10) , 891	2017
36	Raman three-wave interaction in partially spin polarized plasma M. Shahid, Z. Iqbal, M. Jamil , and G. Murtaza	Phys. Plasmas	24 , 102113	2017
37	The Exchange-Correlation Field Effect over the Magnetoacoustic-Gravitational Instability in Plasmas A. Rasheed, M. Jamil , Young-Dae Jung, A. Sahar and M. Asif	Z. Naturforsch .A	72(10): 915	2017
38	Streaming Jeans-Alfvén Instability in Quantum Magnetoplasmas M. Jamil , A. Rasheed, F. Hadi, G. Ali and M. Ayub	Z. Naturforsch .A	72(11): 1003	2017
39	Effect of magnetic quantization on ion acoustic waves ultra-relativistic dense plasma Asif Javed, A. Rasheed, M. Jamil , M. Siddique, and N. L. Tsintsadze	Phys. Plasmas	24 , 112301	2017
40	Landau quantization effects on hole-acoustic instability in semiconductor plasmas P. Sumera, A. Rasheed, M. Jamil , M. Siddique, and F. Areeb	Phys. Plasmas	24 , 122107	2017
41	Janus modes of Hasegawa plasma waves in a streaming and tempestuous plasma pillar Myoung-Jae Lee, Kyu-Sun Chung, M. Jamil , A. Rasheed, and Young-Dae Jung	Phys. Plasmas	24 , 122111	2017
42	Oscillatory wake potential with exchange-correlation in plasmas Arroj A. Khan, I. Zeba, M. Jamil , and M. Asif	Phys. Plasmas	24 , 123708	2017
43	Impact of Relativistic Electron Beam on Hole Acoustic Instability in Quantum Semiconductor Plasmas, M. Siddique, M. Jamil , A. Rasheed, F. Areeb, Asif Javed and P. Sumera	Z. Naturforsch .A	73(2) , 135	2018
44	Hole-cyclotron instability in semiconductor quantum plasmas F. Areeb, A. Rasheed, M. Jamil , M. Siddique, and P. Sumera	Phys. Plasmas	25 , 012111	2018

45	Nonlinear beat excitation of low frequency wave in degenerate plasmas, Zahid Mir, M. Shahid, M. Jamil , A. Rasheed, and A. Shahbaz	Phys. Plasmas	25, 32120	2018
46	Langmuir instability in partially spin polarized bounded degenerate plasma, Z. Iqbal, M. Jamil , and G. Murtaza	Phys. Plasmas	25, 42106	2018
47	Waveguide instability in streaming e-p-i dense plasmas, M. Jamil , R. Ayesha, A. Rasheed, Z. Iqbal, and M. Asif	Phys. Plasmas	25, 62124	2018
48	Modulational and three wave decay instabilities in degenerate electron-ion dense plasmas, Ch. Rozina, S. Ali, H. A. Shah, M. Jamil	Phys. Plasmas	25, 092903	2018
49	Gravitational Drift Instability in Quantum Dusty Plasmas, M. Jamil , Zahid Mir, A. Rasheed and A. Hussain	Z. Naturforsch .A	73(12), 1137	2018
50	Instability of beam driven electrostatic modes in semiconductor quantum magneto plasmas, F. Areeb, A. Rasheed, and M. Jamil	Phys. Plasmas	25, 102110	2018
51	Langmuir wave decays into O-mode and ICW in Earth's magnetosphere with inhomogeneous magnetic field M. Shahid, Sana Maehmood, Sobia Mehmood, Zahid Mir and M. Jamil	Phys. Plasmas	25, 112902	2018
52	Subsonic Potentials in Ultradense Plasmas Arroj A . Khan, I. Zeba and M. Jamil	Z. Naturforsch .A	47(3), 207	2019
53	KdV acoustic structure with exchange-correlation potential in plasmas M. Siddique, A. Rasheed, M. Jamil , Asif Javed, and P. Sumera	<i>The European Physical Journal Plus</i>	134, 263	2019
54	Acoustic Instability with Dynamic Charging in Quantum Plasmas A . Rasheed, K. Zubia, A . Rubina and M. Jamil	<i>Zeitschrift für Naturforschung A</i>	74(4), 333	2019
55	Karpman-Washimi magnetization in relativistic quantum plasmas M. Jamil , A. Rasheed, M. Usman, W. Arshad, M. Jawwad Saif , and Young-Dae Jung	Phys. Plasmas	26, 092110	2019
56	Nonlinear frequency shift of acoustic waves in semiconductor plasmas Zahid Mir , A. Rasheed, M. Shahid, Arroj. A. Khan, and M. Jamil	Phys. Plasmas	26, 112116	2019
57	Proton firehose instability: An interplay of thermal core and non-thermal halo protons M. Sarfraz, S. Noureen, G. Abbas, I. Zeba, M. Jamil , and S. S. A. Gillani	AIP, Advances	9, 125301	2019
58	Landau Quantised Modifiotion of Rayleigh–Taylor Instability in Dense Plasmas M. Shahid, A . Rasheed, Misbah Kanwal and M. Jamil	<i>Zeitschrift für Naturforschung A</i>	75(2), 113	2020
59	Landau quantization effects on hybrid waves in semiconductor plasmas	The European Physical Journal	135, 356	2020

	P. Sumera, A. Rasheed, F. Areeb, M. Siddique, Asif Javed, M. Jamil	Plus		
60	Dynamic charging effect on electromagnetic wave in low β plasmas R. Ayesha, A. Rasheed, K. Zubia, N. Iqra, M. Sarfraz, M. Jamil	Astrophysics and Space Science	365, 133	2020
61	Oblique waveguide instability in quantum plasmas M. Jamil , M Ilyas, A Rasheed, R Ayesha, M Asif and M Shahid	Physica Scripta	95, 115601	2020
62	Streaming effects on dust ion acoustic wave in dense quantized plasmas Zahid Mir, A. Rasheed, Arroj A. Khan, M. Asif, and M. Jamil	International Journal of Modern Physics B	35(4), 2150049	2021
63	Low frequency hybrid instability in semi-relativistic GaAs plasmas Aneesa Iqbal, Muddasir Ali, M. Jamil and A. Rasheed	Physica Scripta	96, 125605	2021
64	Dispersive Features of Plasma Waves in Nano-Waveguide Systems R. Ayesha, A. Rasheed, M. Ali, I. Zeba, M. Jamil	Arabian Journal of Science and Engineering	47, 7473	2022
65	Magnetosonics with Landau levels in GaAs semiconductor systems F. Areeb, I. Ahsan, A. Rasheed, P. Sumera, M. Jamil	Physica B: Condensed Matter	663, 414968	2023
66	Kelvin–Helmholtz instability in magnetically quantized dense plasmas A. Rasheed, A. Nazir, F. Areeb, B. Ramzan, K. Zubia, M. Jamil	Zeitschrift für Naturforschung A	https://doi.org/10.1515/zna-2023-0123	2023
67	Transonic plasma winds with cosmic-rays and waves, B Ramzan, Zahid Mir, A Rasheed and M Jamil, Phys. Scr. 98 (2023)125005 https://iopscience.iop.org/article/10.1088/1402-4896/ad07bf	Physica Scripta	98, 125005	2023
68	Continuous solutions of cosmic-rays and waves in astrophysical environments: K. Irshad, B. Ramzan, S. N. A. Qazi, F. Areeb, A. Rasheed & M. Jamil Scientific Reports 13 , (2023) 22850	Scientific Reports	13, 22850	2023
69	Magnetoacoustics and magnetic quantization of Fermi states in relativistic plasmas A. Iqbal, A. Rasheed, Areeb Fatima, Sumera Perveen, B. Ramzan and M. Jamil Zeitschrift für Naturforschung A, 2024. https://doi.org/10.1515/zna-2023-0224	Zeitschrift für Naturforschung A		2023

Taught Courses

PhD Classes:

- Advanced Statistical Physics
- Photonics Mesoscopic Systems
- Non Linear Optics
- Low Temperature Plasmas
- Advanced Plasmas

MS (M. Phil) Classes:

- Mathematical Methods and Computational Physics
- Plasma Physics 1

BS (Hons.) Classes:

- Electricity and Magnetism
- Computational Physics
- Nuclear Physics
- Modern Physics
- Applied Physics for Engineers (EE)
- Mathematical Methods in Physics
- Statistical Physics
- Basic Mathematics
- Boundary Value Problems
- Statistical Physics I
- Statistical Physics II
- Mechanics

Other Responsibilities:

- Class Coordinator for BS(Hons.)

Journal Reviewer:

- Physics of Plasmas
- Astrophysics and Space Science
- Zeitschrift für Naturforschung A
- The European Journal of Physics D
- Acta Acustica united with Acustica
- Indian Journal of Physics

- Acta Physica Polonica A
- Physica Scripta
- Plasma Physics and Control Fusion

Talks / Lectures delivered (Title/ Venue)

- Fourier Transformation and its applications, Departmental seminar at **GC University Lahore**
- Drift wave instabilities in quantum dusty plasmas, theoretical group talk at **GC University Lahore** and **The University of Punjab Lahore**.
- Parametric decay of Alfvén wave into shear Alfvén wave and dust lower hybrid waves, theoretical group talk at **GC University Lahore** and **The University of Punjab Lahore**.
- Electromagnetic waves using two potential theory, theoretical group talk at **GC University Lahore** and **The University of Punjab Lahore**.
- Parametric decay of DIA wave in quantum plasmas, theoretical group talk at **GC University Lahore** and **The University of Punjab Lahore**.
- Parametric instability in complex plasmas, Conference talk at **University of Gujrat, Gujrat**.
- Study of collective interactions in complex plasmas, Departmental seminar at **GC University Lahore**
- Drift wave instability in quantum dusty plasmas, International Scientific Spring speaker at **NCP Islamabad**
- Parametric Interactions in complex Plasmas, International workshop on theoretical Plasmas at **COMSTech Islamabad**
- Exchange-correlation effect on Jeans Instability In Quantum Plasmas, International Scientific Spring, March 7-11, 2016 at NCP, Islamabad.
- Invited Talk, University of Gujrat, 2017
- Invited Talk at GC University Faisalabad 2017
- Invited Talk at GC University Lahore, 2017
- Invited Talk at Riphah International University, Lahore Campus, 2017
- Invited Talk at Riphah International University, Lahore Campus, 2018
- Invited Talk at GC University Lahore, 2018
- Invited Talk at GC University Lahore, 2019
- Invited Talk at Govt. Civil Lines College Lahore, 2020
- Invited Talk at 8th EuroAsia (online), Turkey, 2020

- Invited Talk at Vikram University (online), India, 2020
- Invited Talk at Riphah International University, Lahore Campus, 2021
- Invited Talk at Lahore College for Women University, Lahore, 2021
- Invited Talk at Riphah International University, Lahore Campus, 2021
- Invited Talk at EuroAsian Congress 8(online), Turkey, 2021
- Invited Talk at Lahore Garison University(online), Lahore, 2021
- Invited Talk at Nationnal Centre for Physics(online), 2021
- Invited Talk at Govt. College for Women, Gulberg Lahore, 2021
-
- Invited Talk at Govt. College Women University (online), Faisalabad, 2021
- Invited Talk at Govt. Civil Lines College Lahore, 2021
- Invited Talk at GC University Lahore, 2022
- Invited Talk at Govt. Civil Lines College Lahore, 2023
- Invited Talk at Riphah International University, Lahore Campus, 2023
- Talk at Govt. College Layyah, 2023

Conferences/Courses Attended:

- 10th National Symposium on Frontiers in Physics, 11-14 January 2005 at GC University Lahore.
- Certificate of Lecture Course on Nuclear Data delivered by Dr. SYED M.QAIM (Prof. University of Cologne, Scientist at Research Center, Julich, Germany) 2005 at GC University Lahore.
- Salam Memorial Meeting Organized by National Centre for Mathematics, Salam Chair and Physics Department of GC University Lahore and the Pakistan Physics Society held in 21st November 2005.
- International Symposium on Contemporary Physics at NCP, Islamabad (2007).
- International Conference on “Research Methodology in Plasma Physics”, November 21-22, 2008 at University of Gujrat, Pakistan.

- 11th National Symposium on Frontiers in Physics, January 29-31, 2009 at GC University Lahore.
- 1st NCP Scientific Spring 2009, April 6th -9th, 2009 at NCP, QAU Islamabad Pakistan.
- 1st National Conference on Radiation, Particles and Matter, December 22-24, 2009 at CASP, GC University Lahore.
- International Scientific Spring – 2010, March 01 – 06, 2010 at NCP, QAU Islamabad Pakistan.
- Workshop on Astrophysics and Dense Plasmas, June 01-03, 2010, at NCP, QAU Islamabad Pakistan.
- Frontiers on Physics, February 02-04, 2011 at GCU, Lahore
- International Scientific Spring, March 01-04, 2011 at NCP, Islamabad.
- International workshop on plasmas Physics, March 5, 2011 at NCP, Islamabad.
- International Scientific Spring, March, 4-9, 2012 at NCP, Islamabad.
- International workshop on plasmas Physics, March, 10, 2012 at NCP, Islamabad.
- International workshop on plasmas Physics, Nov. 19-21, 2012 at COMSTech, Islamabad.
- National Seminar on nanotechnology, December, 6, 2012 at GCUF, Faisalabad.
- International Scientific Spring, March 11-15, 2013 at NCP, Islamabad.
- International workshop on plasmas Physics, March, 16, 2013 at NCP, Islamabad.
- 1st ICTP-NCP International College of Plasma Physics, Oct. 2013 Islamabad.
- International Scientific Spring, March 10-14, 2014 at NCP, Islamabad.
- International Scientific Spring, March 7-11, 2016 at NCP, Islamabad.