

International Graduate Physics Conference

Department of Physics

Government Islamia Graduate College Civil Lines, Lahore



Venue: Seminar Hall

Conference Day-1

23rd August

Inaugural Session

(9.00 AM to 11.00 AM)

Chief Guest:

Col. Sardar Hashim Dogar (Minister)

Guest of Honour:

Honorable **Najaf Iqbal Syed**, Secretary Higher Education Department

Recitation + Naat

(9.00 to 9.15 AM)

Welcome Address:

Dr. Akhtar Hussain Sandhu (Principal)

(9.15 to 9.30 AM)

Keynote Speaker:

Dr. Waheed Anwar

(9.30 to 9.50 AM)

Speech by Guest of Honour:

Honorable **Najaf Iqbal Syed** (Secretary Higher Education)

(9.50 to 10.10AM)

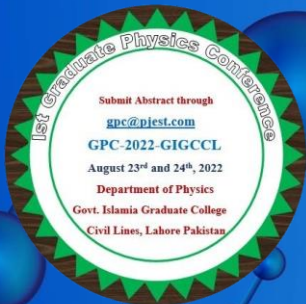
Speech by the Chief Guest:

Col. Sardar Hashim Dogar (Minister)

Shields

Tarana

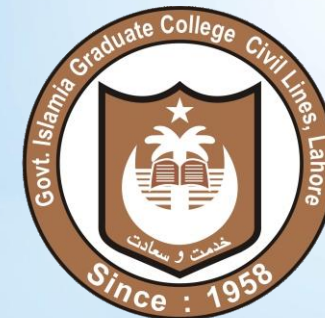
Session will be conducted by **Dr. Muhammad Javaid Afzal** (Focal Person)



International Graduate Physics Conference

Department of Physics

Government Islamia Graduate College Civil Lines, Lahore



Venue: Seminar Hall

Conference Day-1

23rd August

1st Session (11.00 AM to 12.15 AM)

Chaired by: **Dr. M. Waseem Ashraf**

Chief Guest :

Mr. Khalid Parvaiz, (Add. Secretary Higher Education Department)

Guest of Honour:

Prof. Dr. Ashiq Hussain, DPI (Colleges), Punjab

Papers:

1. **Sana Mumtaz** (Germany) (11.00 to 11.15 AM)
(STAT1 prevents lymphoma formation in spleen)
2. **Gazi Farhan Ishraque Toki** (Bangladesh) (11.15 to 11.30 AM)
(Analysis of photovoltaic performance of perovskite solar cell:
Effect of electron transport layer and hole transport layer)
3. **Adib Aktab Arnab** (Bangladesh) (11.30 to 11.45 AM)
(Lead free double perovskite absorber based solar cell: A numerical study)
4. **Nazim Ali** GIGCCL (11.45 to 12.00 AM)
(Analysis of heat transfer by nano particles through ANSYS fluent)
5. **Maham Akhlaq** Government College University Lahore (12.00 to 12.15 PM)
(Fuzzy based approach to analyze the electrical properties of indium oxide as an anti-reflective coating in thin film solar cells)

Question/Answer Session

Session's Concluding Remarks by the Chair (**Dr. M. Waseem Ashraf**)

Certificates Ceremony by the Chief Guest

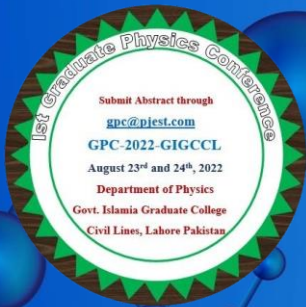
Speech by the Guest of Honor (**Dr. Ashiq Hussain**, DPI (Colleges), Punjab)

Speech by Chief Guest (Khalid Parvaiz, Add. Secretary Higher Education Department)

Tarana

Lunch

Session will be conducted by **Dr. Muhammad Javaid Afzal** (Focal Person)



International Graduate Physics Conference

Department of Physics

Government Islamia Graduate College Civil Lines, Lahore



Venue: Conference Room

Conference Day-1

23rd August

1st Parallel Session (11.00 AM to 12.15 AM)

Chaired by: **Dr. Ishrat Mubeen (UET)**

Chief Guest: **Prof. Dr. Muhammad Nizamuddin**

Papers:

- 1. Hamza Asif GIGCCL** (11.00 to 11.15 AM)
(Study the heat transfer Analysis of heat exchanger through ANSYS fluent)
- 2. Usama Ashraf GIGCCL** (11.15 to 11.30 AM)
(Study the total deformation of steel beam through ANSYS static structure)
- 3. M Shoaib Idrees G.C.U. Lahore** (11.30 to 11.45 AM)
(Fuzzy Base Analysis to Parameters of advanced solar cell)
- 4. Muqadas Sanaullah G.C.U. Lahore** (11.45 to 12.00 AM)
(Fuzzy Based Control System for Surgical Robot)
- 5. Ahsan Shahbaz Butt The University of Lahore, Lahore** (12.00 to 12.15 PM)
(Development of Highway Zombie Escape Game)

Question/Answer Session

Session's Concluding Remarks by the Chair (**Dr. Amna Afzal (UET)**)

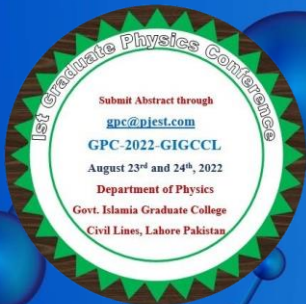
Certificates Distribution by the Chief Guest

Speech by Chief Guest (**Prof. Dr. Muhammad Nizamuddin**)

Tarana

Lunch

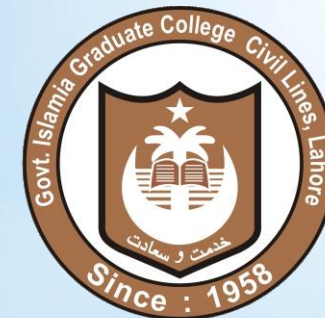
Session will be conducted by **Dr. Daniel Yousaf**



International Graduate Physics Conference

Department of Physics

Government Islamia Graduate College Civil Lines, Lahore



Venue: Seminar Hall

Conference Day-1

23rd August

2nd Session (2.00 to 2.50 PM)

Chaired by:

Dr. Saima Shoukat (UET)

Chief Guest:

Prof. Dr. Muhammad Afzal, (Vice Chancellor)

Papers:

- Mudasar Manzoor** University of Okara (2.00 to 2.15 PM)
(Metal Ion concentration effect on lanthanum based perovskite material for energy devices)
- Rabbia Maheen** COMSATS University Lahore (2.15 to 2.30 PM)
(Metal Doping Effects on the Electrochemical Performance of Metal Organic Frameworks)
- Saddam Ashraf** GIGCCL (2.30 to 2.45 AM)
(Study the thermo-electric generator by current generation and total current density through ANSYS thermal Electric)

Question/Answer Session

Session's Concluding Remarks by the Chair (**Dr. Saima Shoukat (UET)**)

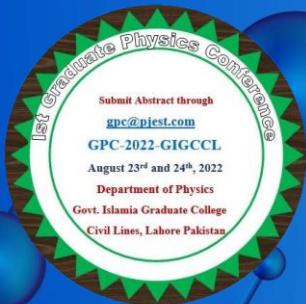
Certificates Distribution by the Chief Guest

Speech by Chief Guest (**Prof. Dr. Muhammad Afzal, (Vice Chancellor)**)

Tarana

Tea

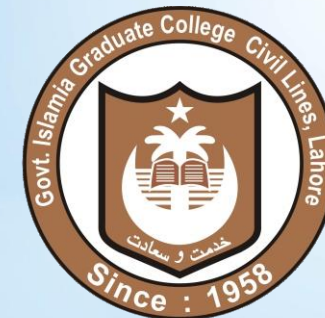
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Venue: Conference Room

Conference Day-1

23rd August

2nd Parallel Session (2.00 to 2.50 PM)

Chaired by:

Dr. Javeria Zartaj Hashmi (UET)

Chief Guest:

Prof. Dr. Nasim Ahmad, SI (Vice Chancellor)

Papers:

1. **Imran Javed Khan** GC University Lahore (2.00 to 2.15 PM)
(Fuzzy Logic Analysis of efficiency improvement of solar panel using dust removing technique)
2. **Tariq Ali** Comsats University Islamabad Lahore Campus (2.15 to 2.30 PM)
Carbon Textile Decorated Zinc Sulfide Nanoparticles for Energy Applications
3. **Muhammad Harris Khan** The University of Lahore, Lahore (2.30 to 2.45 PM)
(Implementation of Smart Traffic Management System)

Question/Answer Session

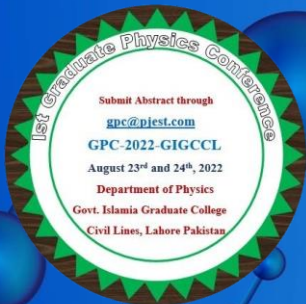
Session's Concluding Remarks by the Chair (**Dr. Javeria Zartaj Hashmi (UET)**)

Certificates Distribution by the Chief Guest

Speech by Chief Guest (Prof. Dr. Nasim Ahmad, SI)

Tea

Session will be conducted by **Dr. Daniel Yousaf**



International Graduate Physics Conference Department of Physics

Government Islamia Graduate College Civil Lines, Lahore



Venue: Seminar Hall

Conference Day-2

24th August

Inaugural Session (9.00 AM to 11.00 AM)

Chief Guest:

Honorable Raja Yasir Humayoun Sarfraz (Minister)

Guest of Honour:

Prof. Dr. Ijaz Ahmad Qureshi

Recitation + Naat

(9.00 to 9.10 AM)

Welcome Address:

Dr. Akhtar Hussain Sandhu (Principal)

(9.10 to 9.20 AM)

Briefing about the Conference:

Dr. Muhammad Javaid Afzal

(9.20 to 9.30 AM)

Keynote Speaker:

Dr. Ghazanfar Abbas

(9.30 to 9.50 AM)

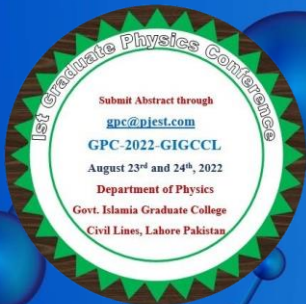
Speech by Guest of Honour:

Prof. Dr. Ijaz Ahmad Qureshi

Speech by the Chief Guest

Honorable Raja Yasir Humayoun Sarfraz (Minister)

Session will be conducted by **Dr. Muhammad Javaid Afzal (Focal Person)**



International Graduate Physics Conference

Department of Physics

Government Islamia Graduate College Civil Lines, Lahore



Venue: Seminar Hall

Conference Day-2

24th August

1st Session (9.00 AM to 10.15 AM)

Chaired by:

Dr. Aneeqa Sabah

Chief Guest :

Prof. Dr. Muhammad Suleman Tahir, (Vice Chancellor)

Papers:

1. **Md Shihab Uddin** (Bangladesh) (9.00 to 9.15 AM)
(Numerical investigation of lead-free cesium-based halide perovskite solar cell)
2. **Md. Jamiul Ahsan Habib** (Bangladesh) (9.15 to 9.30 AM)
(Design and simulation of cadmium telluride (CdTe) absorber based solar cell)
3. **Zia ul Qasmi**, GIGCCL (9.30 to 9.45 AM)
(ANSYS simulation of Temperature of Cooling System in Li-ion Battery)
4. **Aiman Asghar** LCWU (9:45 to 10.00 AM)
(Study and Observation of structural and optical properties of Tin Oxide)
5. **Amna Nazir**, LCWU
(Tailoring of optical and structural properties of metal doped Zinc Sulphide Nanoparticles)

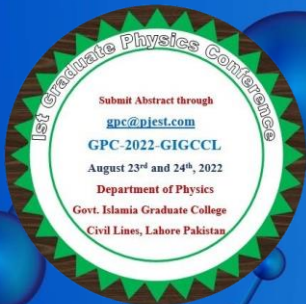
Question/Answer Session

Session's Concluding Remarks by the Chair (**Dr. Aneeqa Sabah**)

Certificates Distribution by the Chief Guest

Speech by Chief Guest (**Prof. Dr. Muhammad Suleman Tahir, (Vice Chancellor)**)

Session will be conducted by **Dr. Muhammad Javaid Afzal (Focal Person)**



International Graduate Physics Conference

Department of Physics

Government Islamia Graduate College Civil Lines, Lahore



Venue: Seminar Hall

Conference Day-2

24th August

2nd Session (11.00 to 12.15 PM)

Chaired by:

Dr. Mohsin Nazir

Chief Guest:

Prof. Dr. Ijaz A. Qureshi, (Rector, TALON Institute Studies)

Papers:

1. **Asifa Kusar** COMSATS University Islamabad, Lahore Campus, (11.00 to 11.15 AM)
(Study of Quantum Effects and Porosity of the Perovskite Materials for Energy and Photocatalysis Applications)
2. **Muhammad Shehzad Arif** GIGCCL (11.15 to 11.30 AM)
(Analysis of an Airfoil through ANSYS Fluent)
3. **Mubashar Nawaz** GIGCCL (11.45 to 12.00 PM)
(Fluidic simulation of a Nano Channel)
4. **Umer Saeed** The University of Lahore, Lahore (12.00 to 12.15 PM)
(SOAP Documentation Tool)

Question/Answer Session

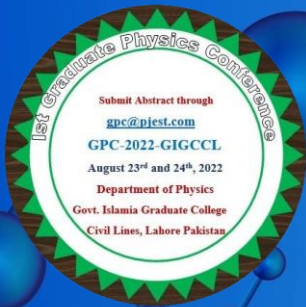
Session's Concluding Remarks by the Chair (**Dr. Mohsin Nazir**)

Certificates Distribution by the Chief Guest

Speech by Chief Guest (**Prof. Dr. Nasim Ahmad, SI, (Vice Chancellor)**)

Lunch

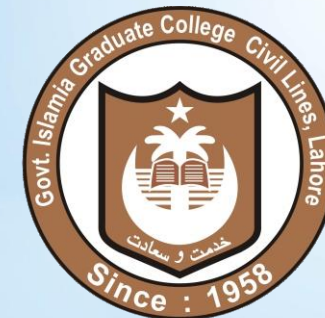
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Venue: Conference Room

Conference Day-2

24th August

2nd Parallel Session (11.00 to 12.15 PM)

Chaired by:

Dr. Saffia Anjum

Chief Guest:

Dr. Shahzad Munawar Warraich, Director (Colleges), Lahore

Papers:

1. **Amber Tanveer** The University of Lahore, Lahore (11.00 to 11.15 PM)
(Upper Limb Remote Physiotherapy)
2. **Ali rafaqat** The University of Lahore, Lahore (11.15 to 11.30 AM)
(Implementation of E-Learning Platform)
3. **Muhammad Sufian GIGCCL** (2.00 to 2.15 PM)
Study the catalytic converter through (ANSYS Fluent)
4. **Waseem Akram GIGCCL** (2.15 to 2.30 PM)
Study the Heat Flux of heat sink (copper) through ANSYS Steady-State Thermal
5. **Israr Ahmad GC University Lahore** (2.30 to 2.45 PM)
(Thermal analysis of heat sink in smart phone on fuzzy logic-based simulation)

Concluding Remarks By Chief Guest

Question/Answer Session

Session's Concluding Remarks by the Chair (**Dr. Ishrat Mubeen**)

Certificates Distribution by the Chief Guest

Speech by Chief Guest (**Prof. Dr. Shahzad Munawar Warraich**, Director (Colleges), Lahore)

Session will be conducted by **Dr. Daniel Yousaf**