

Pakistan Institute of Engineering & Applied Sciences



DEPARTMENT OF CHEMISTRY

Presents

Outstanding Research Award for Session 2023-25

to

Areebah Awan

[Signature]
Dr. Chief Scientist
Optics Labs
P.O. Tillore
Pakistan Atomic Energy Commission
Islamabad

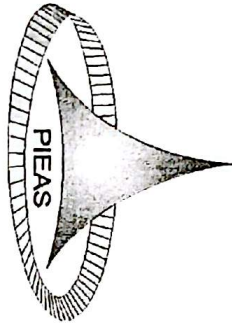
For his/her outstanding Performance during MS Thesis Research Project titled:

“Tuning Electrochemical Properties of Single Atom Catalysts (SACs) for the Application of Water Splitting”

[Signature]
Hafiz Usama Malik
Project Coordinator
DChy, PIEAS

[Signature]
Dr. Sajid Mushtaq
Head of Department
DChy, PIEAS

PAKISTAN INSTITUTE OF ENGINEERING AND APPLIED SCIENCES



Reg. No. 15-6-1-005-2023

Certificate of Appreciation

Areebah Awan d/o Malik Ashfaq Ahmed Awan

*has been awarded this certificate in recognition of her outstanding performance,
in Thesis Project in*

Master of Science in Chemistry (Session 2023-25)

Controller of Examinations

Rector

Pakistan Institute of Engineering and Applied Sciences

Nilore, Islamabad, Pakistan



REGISTRATION AND EXAMINATION DIVISION

TRANSCRIPT

Serial No: 007754

Reg No: 15-6-1-005-2023

Student's Name: Areebah Awan

Father's Name: Malik Ashfaq Ahmed Awan

Department/Institute: Department of Chemistry, PIEAS

Degree Program: MS Chemistry

Date of Issuance: Wednesday, November 05, 2025

Date of Admission: Monday, February 12, 2024

Date of Completion: Monday, November 03, 2025

Semester	Code	Course Title	CHr	LG	GP	GPA	CGPA	CCHr	Status
Spring-2024	CMS-501	Communication Skills	1	A+	4.00	3.31	3.31	13	Promoted
	CY-501	Atomic Spectroscopy	3	B	3.00				
	CY-502	Chemistry of Synthetic Polymers	3	B+	3.33				
	CY-590	Advanced Physical Chemistry	3	B	3.00				
	CY-591	Topics in Inorganic Chemistry	3	A-	3.67				
	CMS-511	Grooming and Sprucing (Self Discipline)	NC	Satisfactory					
Fall-2024	CY-506	Electrochemistry	3	B	3.00	3.67	3.48	25	Promoted
	CY-606	Surface Chemistry and Catalysis	3	A-	3.67				
	CY-607	Special Topics in Chemistry (Radiopharmacy)	3	A	4.00				
	MME-623	Polymeric Matrix Composites	3	A	4.00				
Spring-2025	CY-697	Thesis Research	6	Satisfactory			3.48	31	Promoted
Summer-2025	CY-697	Thesis Research	6	Excellent			3.48	37	Passed

End of Transcript

Note: Errors / Omissions excepted.

Attended
By Chief Scientist
Optics Labs
P.O. Nilore
Pakistan Atomic Energy Commission
Islamabad

CONTROLLER OF EXAMINATIONS

Pakistan Institute of Engineering and Applied Sciences

Nilore, Islamabad, Pakistan



REGISTRATION AND EXAMINATION DIVISION

TRANSCRIPT

Serial No: 007754

Reg No: 15-6-1-005-2023

Student's Name: Areebah Awan

Father's Name: Malik Ashfaq Ahmed Awan

Department/Institute: Department of Chemistry, PIEAS

Degree Program: MS Chemistry

Date of Issuance: Wednesday, November 05, 2025

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	CY-501	Atomic Spectroscopy	3	B	3.00				
	CY-502	Chemistry of Synthetic Polymers	3	B+	3.33				
	CY-590	Advanced Physical Chemistry	3	B	3.00				
	CY-591	Topics in Inorganic Chemistry	3	A-	3.67				
	CMS-511	Grooming and Sprucing (Self Discipline)	NC	Satisfactory					
Fall-2024	CY-506	Electrochemistry	3	B	3.00	3.67	3.48	25	Promoted
	CY-606	Surface Chemistry and Catalysis	3	A-	3.67				
	CY-607	Special Topics in Chemistry (Radiopharmacy)	3	A	4.00				
	MME-623	Polymeric Matrix Composites	3	A	4.00				
Spring-2025	CY-697	Thesis Research	6	Satisfactory			3.48	31	Promoted
Summer-2025	CY-697	Thesis Research	6	Excellent			3.48	37	Passed

-----End of Transcript-----

Note: Errors / Omissions excepted.

Attended
[Signature]
Dy Chief Scientist
Optics Labs
P.O. Nilore
Pakistan Atomic Energy Commission
Islamabad

[Signature]
CONTROLLER OF EXAMINATIONS



Islamabad

No.QAUC/2024-

DEPARTMENT OF CHEMISTRY
QUAID-I-AZAM UNIVERSITY
ISLAMABAD 45320
PAKISTAN

Email: asaeed@quai.edu.pak

Tel: +92-51-90642128

Fax: +92-51-90642241

Cell: 0321-5333026

Dated: 07-01-2024.

TO WHOM IT MAY CONCERN

This is to certify that Ms. Arcebah Awan D/o Malik Ashfaq Ahmed Awan, Registration No.04061913045 has been a bonafide BS student of this Department during the session 2019-2023. She successfully completed her BS degree in October, 2023 by securing 1st division (CGPA = 3.3/4).

It is further certified that her rank in entire class is 05 out of 41, placing her in top 10% students.

Attest

Dr. Ghiof Scientist
Optics Labs
P.O. Nilore
Pakistan Atomic Energy Commission
Islamabad


Prof. Dr. Aamer Saeed Bhatti (TD)
Chairman

CHAIRMAN
Department of Chemistry
Quaid-i-Azam University
Islamabad-45320



QUAID-I-AZAM UNIVERSITY ISLAMABAD

DETAILED MARKS CERTIFICATE

5508

Name: AREEBAH AWAN
Reg.No.: 04061913045
Session: 2019-23

Father's Name: MALIK ASHFAQ AHMED AWAN
Department: Chemistry
Degree: BS Chemistry

Semester	Crs. Code	Course Title	T.Marks	Crdt.Hrs.	Obt. Marks.	N.G.	Grade
<u>FIRST</u>	CH-101	Chemistry-1	100	3	66	2.80	B-
	CH-191	Chemistry-1 Lab	100	1	72	3.50	B+
	CS-101	Introduction to Computing	100	3	72	3.50	B+
	EN-101	Functional English	100	3	84	4.00	A
	MA-100	Basic Mathematics	100	3	72	3.50	B+
	PH-111	Introductory Mechanics and Waves	100	2	71	3.00	B
	PH-193	Introductory Mechanics and Waves(Lab)	100	1	70	3.00	B
	PS-101	Introduction to Pakistan Studies	100	2	77	3.80	A-
<u>SECOND</u>	CH-102	Chemistry-II	100	3	90	4.00	A
	CH-192	Chemistry-II Lab	100	1	65	4.00	A
	CS-102	Introduction to Programming	100	3	79	3.80	A-
	EN-102	Functional English-II	100	3	87	4.00	A
	IS-101	Islamic Studies	100	2	81	4.00	A
	MA-102	Calculus & Analytic Geometry-II	100	3	85	4.00	A
	PH-112	Electricity, Magnetism and Thermal Physics	100	2	69	3.00	B
	PH-194	Electricity, Magnetism and Thermal Physics (Lab)	100	1	79	3.80	A-
<u>THIRD</u>	CH-201	Chemistry-III	100	3	72	3.50	B+
	CH-202	Environmental Chemistry	100	3	81	4.00	A
	CH-291	Chemistry Lab-III	100	1	81	4.00	A
	EC-201	Economics	100	3	77	3.80	A-
	EN-201	Functional English-III	100	3	83	4.00	A
	ST-201	Applied Statistics	100	3	67	2.80	B-
<u>FOURTH</u>	BY-201	Introductory Biology	100	3	68	3.00	B
	CH-203	Chemistry-IV	100	3	80	4.00	A
	CH-204	Industrial Chemistry	100	2	80	4.00	A
	CH-292	Chemistry-IV Lab	100	1	81	4.00	A
	ES-202	Geo-Tectonics	100	3	80	4.00	A
	SPIR-110	Political History of the World	100	3	77	3.80	A-
<u>FIFTH</u>	CH-301	Analytical Chemistry-I	100	3	73	3.50	B+
	CH-302	Inorganic Chemistry-I	100	3	64	2.80	B-
	CH-303	Organic Chemistry-I	100	3	57	2.00	C
	CH-304	Physical Chemistry-1	100	3	65	2.80	B-
	CH-391	Analytical Chemistry Lab-I	100	1	82	4.00	A
	CH-392	Inorganic Chemistry Lab-I	100	1	76	3.80	A-
	CH-393	Organic Chemistry Lab-I	100	1	65	2.80	B-
	CH-394	Physical Chemistry Lab-1	100	1	74	3.50	B+

[Signature]
Dy Chief Scientist
Optics Labs
P.O. Nilore
Pakistan Atomic Energy Commission,
Islamabad

[Signature]

Assistant Controller
for Controller of Examinations



QUAID-I-AZAM UNIVERSITY ISLAMABAD

DETAILED MARKS CERTIFICATE

5508

Name:
Reg.No.:
Session:

AREEBAH AWAN
04061913045
2019-23

Father's Name:
Department:
Degree:

MALIK ASHFAQ AHMED AWAN
Chemistry
BS Chemistry

Semester	Crs. Code	Course Title	T.Marks	Crdt.Hrs.	Obt. Marks.	N.G.	Grade
SIXTH	CH-311	Analytical Chemistry-II	100	3	60	2.50	C+
	CH-312	Inorganic Chemistry-II	100	3	74	3.50	B+
	CH-313	Organic Chemistry-II	100	3	76	3.80	A-
	CH-314	Physical Chemistry-II	100	3	76	3.80	A-
	CH-395	Analytical Chemistry Lab-II	100	1	74	3.50	B+
	CH-396	Inorganic Chemistry Lab-II	100	1	64	2.80	B-
	CH-397	Organic Chemistry Lab-II	100	1	68	3.00	B
	CH-398	Physical Chem. Lab-II	100	1	76	3.80	A-
SEVENTH	CH-402	Atomic Spectroscopy	100	3	61	2.50	C+
	CH-403	Organometallic Chemistry	100	3	68	3.00	B
	CH-405	Group Theory in Chemistry	100	3	70	3.00	B
	CH-409	Coordination Chemistry	100	3	61	2.50	C+
	CH-491	Inorganic/Analytical Chemistry Laboratory-III	100	3	64	2.80	B-
EIGHTH	CH-401	Molecular Spectroscopy	100	3	60	2.50	C+
	CH-404	Crystallography	100	3	50	1.00	D
	CH-405	Inorganic Polymers	100	3	56	2.00	C
	CH-408	Nuclear Methods of Analysis	100	3	71	3.00	B
	CH-494	Advanced Inorganic / Analytical Chemistry Laboratory	100	3	72	3.50	B+
Overall Result							Passed

CGPA: 3.3 out of 4.0
Weighted Percentage: 72.1
Grade Letter: B+

Passed Credit Hours:
Examination held in:
Result declaration Date:
DMC Issuance Date:

129
June, 2023
09-10-2023
19-10-2023

Dy Chief Scientist
Optics Labs
P.O. Nilore
Pakistan Atomic Energy Commission
Islamabad

Assistant Controller
for Controller of Examinations

FEDERAL BOARD OF INTERMEDIATE AND SECONDARY EDUCATION ISLAMABAD

Serial No. 931852

Certificate No. 917800039/004770

Roll No. 568908

Registration No. 1822354044

Group PRE-MEDICAL

Attempt(s) IMPROVEMENT



HIGHER SECONDARY SCHOOL CERTIFICATE EXAMINATION ANNUAL 2019



Certified that AREEBAH AWAN

Son / Daughter of MALIK ASHFAQ AHMED AWAN

has qualified for award of Higher Secondary School Certificate as an Ex-Student from
FAUJI FOUNDATION COLLEGE FOR GIRLS, NEW LALAZAR, RAWALPINDI CANTT.

as per statement of marks given below and has obtained grade A1

His/Her mark of identification : ----

SUBJECT - WISE STATEMENT OF MARKS

S.No.	Subject(s)	MARKS	
		Maximum	Obtained
1	ENGLISH COMPULSORY	200	163
2	URDU COMPULSORY	200	162
3	ISLAMIC EDUCATION	050	047
4	PAKISTAN STUDIES	050	045
5	PHYSICS	200	176
6	CHEMISTRY	200	191
7	BIOLOGY	200	183
	TOTAL	1100	967

[Signature]
By Chief Scientist
Optics Labs
P.O. Nilore
Pakistan Atomic Energy Commission
Islamabad

(Marks in words) Nine Hundred Sixty Seven

Islamabad Dated March 09, 2023

Checked by: *[Signature]*



[Signature]
SECRETARY

Note: This certificate is issued without alteration or erasure. (Grades over leaf)

FEDERAL BOARD OF INTERMEDIATE AND SECONDARY EDUCATION ISLAMABAD

Serial No. 851711

Certificate No. 546620/042707

Roll No. 167478

Registration No. 1628092014

Group SCIENCE

Attempt(s) FIRST



SECONDARY SCHOOL CERTIFICATE EXAMINATION ANNUAL 2016



Certified that AREEBAH AWAN

Son / Daughter of MALIK ASHFAQ AHMED AWAN

whose date of birth is 28-08-2000 (Twenty Eighth August, Two Thousand)

has qualified for award of Secondary School Certificate

at the examination held in the month(s) of March / April as a Regular Candidate from

FAUJI FOUNDATION COLLEGE FOR GIRLS, NEW LALAZAR, RAWALPINDI CANTT.

as per statement of marks given below and has obtained grade A1

His / Her mark of identification : Nil

SUBJECT-WISE STATEMENT OF MARKS

S.No.	Subject(s)	MARKS	
		Maximum	Obtained
1	ENGLISH (COMPULSORY)	150	135
2	URDU (COMPULSORY)	150	140
3	ISLAMIYAT (COMPULSORY)	075	071
4	PAKISTAN STUDIES	075	073
5	MATHEMATICS	150	144
6	PHYSICS	150	143
7	CHEMISTRY	150	142
8	BIOLOGY	150	148
	TOTAL	1050	996

(Marks in words) Nine Hundred Ninety Six



Islamabad Dated December 08, 2016

By Chief Scientist
Optics Labs
P.O. Nilore
Pakistan Atomic Energy Commission
Islamabad



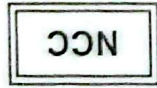
Checked by: _____

SECRETARY

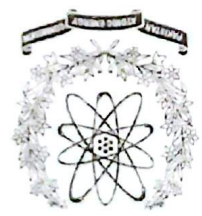
Note: This certificate is issued without alteration or erasure. (Grades over leaf)



CERTIFICATE



PAKISTAN ATOMIC ENERGY COMMISSION



This Certificate is awarded to

Ms. Areeba Awan, MS Student, PIEAS

For 2nd Position in Poster Presentation

14th Chemistry Conference 2025

on

CHEMISTRY IN ENGINEERING AND LIFE SCIENCES

15-17th April 2025

Jointly Organized by

Chemistry Division PINSTECH, UML, NCC and PIEAS

at

PINSTECH, ISLAMABAD

Dr. Ch. Usman Khurshid

Director Science

Dr. Yasir Faiz

Conference Coordinator

Dr. Qamar ul Haque, SI

Director General PINSTECH

*By Chief Scientist
Optics Labs
P.O. Nilore
Pakistan Atomic Energy Commission
Islamabad*

QOL

Reg. No. DChy-01-2025/P-78

Pakistan Institute of Engineering & Applied Sciences



CERTIFICATE OF PARTICIPATION

IT IS CERTIFIED THAT

Ms. Areebah Awan

Has participated as Supporting Team in the International Workshop

From Chemistry to Clinics:

Recent Advances in Radiopharmaceuticals

February 10-12, 2025

[Signature]
Ayub Khan
Quick Labs
P.O. Lahore
Pakistan Atomic Energy Commission
Islamabad

[Signature]
Dr. Sajid Mushtaq
Head DChy, PIEAS

[Signature]
Dr. Naseem Irfan
Rector, PIEAS



PAKISTAN INSTITUTE OF NUCLEAR SCIENCE & TECHNOLOGY

Certificate

Ms. Areeba Awan

has contributed as Participant in the

HANDS-ON TRAINING ON ANALYTICAL TECHNIQUES

September 23-25, 2025

Organized by

CENTRAL ANALYTICAL FACILITY DIVISION

Directorate of Systems & Services

PINSTECH, Nilore, Islamabad

Dr. Shabbir Hussain
Workshop Coordinator

Dr. Kashif Naeem
Head CAFD

Dr. Ghulam Shabbir
Director Systems & Services





CERTIFICATE

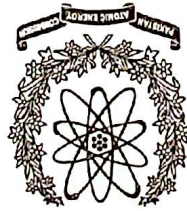


DGNFC

NCC



PAKISTAN ATOMIC ENERGY COMMISSION



This Certificate is awarded to

Ms. Areebah Awan, MS Student, PIEAS

for Participation

13th Chemistry Conference 2024

on

CHEMISTRY IN ENGINEERING AND LIFE SCIENCES

23-25th April 2024

Jointly Organized by

Chemistry Division PINSTECH, DGNFC, NCC and PIEAS

at

PINSTECH, ISLAMABAD

Dr. Ch. Usman Khurshid

Director Science

Dr. Qamar ul Haq, S/

Director General PINSTECH

Dr. Yasir Faiz

Conference Coordinator

[Signature]

*By Chief Scientist
Optics Labs
P.O. Millore
Pakistan Atomic Energy Commission
Islamabad*

[Signature]



National Centre for Physics, Islamabad

CERTIFICATE

This is to certify that

Areebah Awan (CNIC: 37201-4118600-0)

Student of Department of Chemistry, Quaid-i-Azam University, Islamabad

has completed Internship on

"Characterization Techniques XRD, TGA, DTA, SEM, FTIR"
at

Experimental Physics Directorate (ALP)

From September 05, 2022 to November 5, 2022

[Signature]
Dr. Rizwan Ahmad
Supervisor

[Signature]
Dr. M. Aslam Baig
Head (ALP LAB / Consultant Laser Phy)

[Signature]
Ms. Rubia Rasheed
General Manager CAAD

[Signature]
DY Chief Scientist
Optics Labs
P.O. Nilore
Pakistan Atomic Energy Commission
Islamabad

Reg. No.: NCP-CAAD/HR/Int-782/ALPD
Issue Date: 2/12/2022



PAKISTAN
ISLAMIC REPUBLIC OF PAKISTAN

National Identity Card

Name

Areebah Awan

Father Name

Malik Ishtaq Ahmed Awan

ملک اشتاق احمد اوان

Gender Country of Stay

F Pakistan

Identity Number

37201-4118600-0

Date of Birth

28.08.2000

Date of Issue

27.10.2018

Date of Expiry

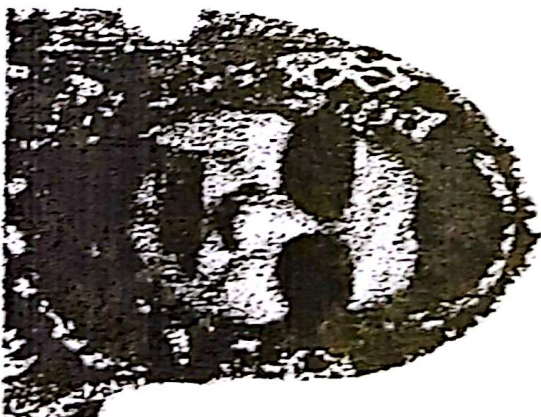
27.10.2028

Dy Chief Secy

P.O. Nilore

Pakistan Atomic Energy Commission

Islamabad



Holder's Signature