

RESUME

of

Maliha Nishat

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Academic Details

Name of Examination	Name of the Institution	Subject/Group	Year of passing	GPA
M.Sc. (Thesis)	Jahangirnagar University	Physics	2017 (Held in 2018)	3.93 out of 4.00
B.Sc. (Hon's)	Jahangirnagar University	Physics	2016 (Held in 2017)	3.83 out of 4.00
H.S.C	Holy Cross College, Dhaka	Science	2012	5 out of 5.00
S.S.C	Thakurgaon Govt. Girls' High School, Thakurgaon	Science	2010	5 out of 5.00

Other Educational Achievements

- Primary Scholarship (2004) in Talent pool
- Junior Scholarship (2007) in Talent pool
- Yearly university scholarship for merit.
- Complementary scholarship for extraordinary academic performance in all four years of undergraduate studies.
- National Science & Technology fellowship under Ministry of Science & Technology- Government of the People's Republic of Bangladesh in the year 2016-17.

Research Field

Condensed Matter Physics

Research Experience

Performed research work on “ **The Role of Intrinsic Defects in Organometal Trihalide Perovskite: An Ab Initio Study**” as a partial requirement for the degree of Master of Science in the Department of Physics at Jahangirnagar University under the supervision of **Dr. Md. Abul Hossain**, Professor, Department of Physics, Jahangirnagar University.

Job Experience

- Lecturer at the department of Physics in Pabna University of Science & Technology from February 2020 to till now.

Major Academic Courses

B. Sc. (Honours):

Part-1: Mechanics, Properties of matter & wave, Electricity & Magnetism, Mathematics for Physics, Chemistry-1 for physics, Statistics for physics, English for physics and Physics lab.-1.

Part-2: Heat, Thermodynamics & Radiation, Optics, Mathematical physics, Atomic & Molecular Physics, Computer Fundamentals & Numerical Analysis, Chemistry-2 for physics, Physics lab.-2, Computer Programming lab. and Chemistry lab. for Physics.

Part-3: Quantum Mechanics-1, Electrodynamics, Electronics, Nuclear Physics-1, Solid State Physics-1, Statistical Mechanics, Classical Mechanics and Relativity, Physics lab.-3 & 4.

Part-4: Quantum Mechanics-2, Astronomy and Cosmology, Plasma Physics, Nuclear Physics-2, Solid State Physics-2, Intd. Ckt and Digital Electronics, Reactor Physics, Geophysics and Physics lab-5 & 6.

M.S.: Advanced Solid State Physics, Advanced Nuclear Physics, Material Science, Advanced Plasma Physics and Nano-physics and Nano-Electronics.

Skills

- Capable of using Latex, Origin, Chemissian and JMol
- Thesis Software: Gaussian, Material Studio
- Programming language: C, C++ and Matlab have been learned in undergraduate
- Microsoft office
- Practical knowledge of using XRD, FTIR, UV spectroscopy, Impedance Analyzer.
- Using of electrical, thermal, mechanical and optical laboratory equipment from the laboratory courses.

Area of Interests

Solar Cell, Perovskite Materials, DFT, Material Science, Condensed Matter Physics, Nanotechnology and Nano materials.

Language Proficiency

- **Bengali:** Excellent command over reading, writing, speaking and listening as a mother tongue
- **English:** Fluent in reading, writing and speaking

Extra Curriculum Activities

- Member: Badhan (A Voluntary Blood Donors' Organization)
- Member: Jahangirnagar University Physics Club (JUPC)
- Member: Jahangirnagar University Physics Alumni Association (JUPAA)
- Sports: Chess and Badminton

Personal Profile

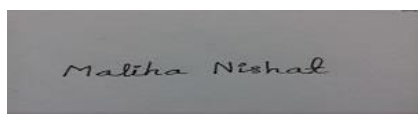
Full Name	Maliha Nishat
Nickname	Nishat
Father's Name	Mizanur Rahaman Chowhury
Mother's Name	Kumkum Ara Begum
Date of Birth	15 July, 1994
Permanent Address	Vill.- Gosh para (4 no. Ward), P.O.- Thakurgaon Sadar-5100, Dist.- Thakurgaon, Bangladesh.
Blood Group	B (+) positive
Gender	Female
Marital Status	Unmarried
Religion	Muslim
Nationality	Bangladeshi (by Birth)

References

Dr. Md. Abul Hossain
Designation: Professor
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University, Savar, Dhaka - 1342, Bangladesh.
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Relation: Academic

Dr. Farid Ahmed
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Relation: Academic

Signature:



(Maliha Nishat)