

Arpon Chakraborty

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Objective:

Aspiring teacher and researcher seeking to build a career in the education field. Committed to fostering a stimulating learning environment for students, while also pursuing opportunities for professional growth and development through research. Determined to make a positive impact on the education system and students' lives.

1. Personal Profile:

Name : Arpon Chakraborty
Father's Name : Ashis Kumar Chakraborty
Mother's Name : Shanta Chakraborty
Permanent Address : House no: 168, Road no: 02, Lalbazar, Natore Sadar, Natore.
Mailing Address : Department of Physics, Bangabandhu Sheikh Mujibur Rahman Science and Technology University, Gopalganj-8100.
Date of Birth : 01 May, 1998
Sex : Male
Marital Status : Single
Religion : Hindu
Nationality : Bangladeshi (By Birth)

2. Educational Qualifications:

Degree	Subject/Group	Year	Institution	GPA
M.Sc. (Thesis)	Physics	2020 (held in 2022)	University of Rajshahi	3.97/4.0 (Position: 1 st)
B.Sc. (Hons.)	Physics	2019 (held in 2020)	University of Rajshahi	3.90/4.0 (Position: 1 st)
H.S.C.	Science	2015	N.S. Govt. College	5.0/5.0
S.S.C.	Science	2013	Natore Govt. Boys' High School	5.0/5.0

3. Teaching Experience:

Position	Institution	From	To
Lecturer	Department of Physics, Bangabandhu Sheikh Mujibur Rahman Science and Technology University, Gopalganj	13 July, 2023	Present

4. Awards/Scholarships Received:

- National Science and Technology (NST) Fellowship 2021-22 by the Ministry of Science and Technology, Government of the People's Republic of Bangladesh.
- Professor Basak Award – 2019 for standing first in the B.Sc. (Hons) - 2019 examination at Department of Physics, University of Rajshahi.
- Dean's Award – 2021 from Faculty of Science, University of Rajshahi for securing the first place in the B.Sc. (Hons) – 2019 in Physics.

5. Teaching activities undertaken (course and laboratory) at undergraduate and graduate levels

Sl. No.	Course No.	Title of The Courses	Level	No. of Times Taught	Hours /week	Year
1	PHY526	Nanophysics	Graduate	1	3	2023
2	PHY507	Superconductivity	Graduate	1	3	2023
3	PHY401	Special Theory of Relativity	Undergraduate	2	3	2023
4	PHY403	Astronomy and Cosmology	Undergraduate	1	3	2024
5	PHY455	Health and Medical Physics	Undergraduate	1	3	2024
6	PHY407	Renewable Energy	Undergraduate	1	2	2023
7	PHY355	Nuclear Physics II	Undergraduate	1	3	2024
8	PHY203	Geometrical Optics	Undergraduate	2	3	2023-24
9	PHY253	Physical Optics	Undergraduate	1	3	2024
10	PHY205	Statistical Mechanics	Undergraduate	1	3	2024
11	PHY153	Thermal Physics II	Undergraduate	2	3	2023-24
12	PHY103	Thermal Physics I	Undergraduate	1	3	2023
13	PHY1103	Physics	Undergraduate	1	2	2023
14	PHY1104	Physics Sessional	Undergraduate	1	1.5	2023
15	PHY117	Physics	Undergraduate	1	2	2023
16	PHY161	Physics	Undergraduate	2	2	2023-24
17	PHY206	Physics Practical III	Undergraduate	2	6	2023-24
18	PHY256	Physics Practical IV	Undergraduate	1	6	2024
19	PHY531	Physics Practical	Graduate	1	9	2023

6. Supervision of Thesis/Design Project at Graduate Level

Sl. No.	No. of Students	No. of Project /Thesis	Type	Year
1	6	6	Project	2023
2	12	12	Project	2024

7. Research Grants Received

Sl. No.	Organization Offering the Grant	Project title	Period
1	Bangabandhu Sheikh Mujibur Rahman Science and Technology University, Gopalganj.	A first-principles study of the optoelectronic, mechanical and thermodynamic properties of CsCdBr ₃ polymorphs	2023-24

8. List of publications:

1	Arpon Chakraborty , M.N.H. Liton, M.S.I. Sarker, M.M. Rahman, M.K.R. Khan, <i>A comprehensive DFT evaluation of catalytic and optoelectronic properties of BaTiO₃ polymorphs</i> , Physica B: Condensed Matter 648, 414418 (2023).
2	Arpon Chakraborty , M.N.H. Liton, M.S.I. Sarker, M.M. Rahman, M.K.R. Khan, <i>Exploration of the structural, vibrational, electronic, mechanical and thermal properties of Ru₄Al₃B₂ and Ru₉Al₃B₈: a DFT study</i> , RSC Advances 13, 28912 (2023).
3	Md. Sunjid Sarker, Md. Raihan Islam, Arpon Chakraborty , Md. Abdur Razzaque Sarker, <i>First-principles and experimental study to investigate structural, elastic, electronic, thermal, and optical properties of KCdCl₃ metal halide perovskite crystals</i> , AIP Advances 14, 045038 (2024).

8. Researcher ID:

a. Scopus Authour ID	:	57933308000
b. ORCID ID	:	https://orcid.org/0000-0002-1472-3520
c. Google Scholar Link:	:	https://scholar.google.com/citations?user=BcBfxN8AAAAJ&hl=en
d. ResearchGate Link	:	https://www.researchgate.net/profile/Arpon-Chakraborty

References:

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