

Curriculum Vitae of MINHAJUL ISLAM

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PERSONAL DETAILS

Full Name: Minhajul Islam
Nickname: Millat
Father's Name: Ataur Rahman
Mother's Name: Jahanara Bibi
Date of Birth & Place: 1st January 1995, Joypurhat
Nationality: Bangladeshi
Religion: Islam
Sex: Male
Marital Status: Married (Spouse Name: Rumman Sultana Sony)
Blood Group: B+
National ID: 5982999244

Mailing & Permanent Address

Village: Komogram (Uttarpara)
Post: Baniapara-5900
Thana: Joypurhat Sadar
Upazila: Joypurhat Sadar
District: Joypurhat

EDUCATION

- Master of Science in Physics (Thesis Group)** July 8, 2018
Concentration: Materials Science
University of Rajshahi, Rajshahi-6205, Bangladesh
1st class 3rd position (rank 3/100) with 75 to less than 80% marks
GPA: 3.83 (out of 4.00)
- Bachelor of Science in Physics (Honours)** January 30, 2017
University of Rajshahi, Rajshahi-6205, Bangladesh
1st class 4th position (rank 4/100) with 70 to less than 75% marks
CGPA: 3.63 (out of 4.00)
- Higher Secondary Certificate (Alim)** July 27, 2011
Baniapara Kamil (MA) Madrasah, Joypurhat
Group: Science
Madrasah Board, Dhaka, Bangladesh
GPA: 5.00 (out of 5.00)
- Secondary School Certificate (Dakhil)** May 26, 2009
Baniapara Kamil (MA) Madrasah, Joypurhat
Group: Science
Madrasah Board, Dhaka, Bangladesh
GPA: 5.00 (out of 5.00)

RESEARCH/PUBLICATIONS/PRESENTATIONS

- MSc Thesis Work: **Synthesis and Characterization of CoPt Magnetic Nanoparticles by Sol-gel Method and First Principles Study.**
Project Work: **An Easy Way to Synthesis of Er Doped CoFe₂O₄ Soft Ferromagnetic Nanocrystalline Particles for Magnetic Device Applications.**
(Advisors: Dr M Samiul Islam Sarker (Professor) and Dr M Khalilur Rahman Khan (Professor), Materials Science Lab., Department of Physics, University of Rajshahi, Rajshahi-6205, Bangladesh).
- **Minhajul Islam**, M S I Sarker, Takahiro Nakamura, M K R Khan, F A Khan, M A Islam, M M Rahman and Shunichi Sato, Structural, Electronic and Magnetic Properties of L1₀ Ordered CoPt Nanoparticles: An Experimental and DFT Study, Materials Chemistry and Physics 269 (2021) 124727. <https://doi.org/10.1016/j.matchemphys.2021.124727>
- Antaz Ali, M S I Sarker, **Minhajul Islam**, M K R Khan, F A Khan, M N I Khan and M M Rahman, Effect of In on Superparamagnetic CoIn_xFe_{2-x}O₄ (x = 0—0.15) Synthesized Through Hydrothermal Method, Results in Physics 25 (2021) 104251. <https://doi.org/10.1016/j.rinp.2021.104251>
- **Minhajul Islam**, M S I Sarker, M K R Khan, Alok Kumar and M M Haque, A Sol-gel Route to Synthesis of CoFe_{2-x}Er_xO₄ Nanocrystalline Ferrites and Investigation of Structural and Magnetic Properties for Magnetic Device Applications (Submitted to a peer reviewed journal for publication).
- **Minhajul Islam**, M S I Sarker, M K R Khan, Alok Kumar and M M Haque, An Easy Way to Synthesis of Er Doped CoFe₂O₄ Soft Ferromagnetic Nanocrystalline Particles, Poster Presentation, National Conference on Physics, 7-9 February 2019, Paper ID: PP-68, organized by Bangladesh Physical Society (BPS).
- **Minhajul Islam**, M S I Sarker, M K R Khan, F A Khan and M N I Khan, Synthesis and Characterization of CoPt Magnetic Nanoparticles by Sol-gel Method, Poster Presentation, International Conference on Physics, 8-10 March 2018, Paper ID: PP-112, organized by Bangladesh Physical Society (BPS).

EXPERIENCES

- Scientific Officer (Physics), Nuclear Safety Section, Nuclear Safety, Security and Safeguard Division, Bangladesh Atomic Energy Regulatory Authority (BAERA), E-12/A, Agargaon, Dhaka-1207, Bangladesh.
17/06/2021 to present
- Research Assistant (RA), UGC Project Ref. No.: 6(74)/UGC/RS&P/BOPro/Physical-6/2018/3409, Materials Science Laboratory, Department of Physics, University of Rajshahi, Rajshahi-6205, Bangladesh.
15/03/2019 to 15/01/2020

TECHNICAL/COMPUTER SKILLS

- Computer Fundamentals and Programming, Database Programming, FORTRAN.
- Applications: Microsoft Office (Word, Excel, Power Point), WPS Office, Operating online network including E-mail and Internet, Troubleshooting.
- Operating System(s): Windows.

LANGUAGES

- Bangla (Fluent in both writing and reading).
- English (Can speak and write English well).

- Arabic (Basic in reading and writing).

ACTIVITIES

2013-2021

- Former Joint Secretary, Rajshahi University Science Club-RUSC.
- Volunteering in 5th, 6th, 7th and 8th Bangladesh Physics Olympiad, Rajshahi Division, organized by Physics Club, Department of Physics, University of Rajshahi.
- Participating in National Conference on Physics-2019, organized by Bangladesh Physical Society (BPS) at Department of Physics, University of Dhaka, Bangladesh.
- Participating in International Conference on Physics-2018, organized by Bangladesh Physical Society (BPS) at Department of Physics, University of Dhaka, Bangladesh.
- Participating in International Conference on Advances in Physics-2015, organized by Department of Physics, University of Rajshahi, Bangladesh.

MEMBERSHIP/FELLOWSHIP

- Member, Bangladesh Physical Society (BPS).
- Member, Physics Club, Department of Physics, University of Rajshahi.
- Research Fellow, National Science and Technology (NST) Fellowship-2017.

OTHERS

Teachers' Registration Examination Certificate

January 15, 2020

15th Teachers' Registration Examination-2018

Non-Government Teachers' Registration and Certification Authority (NTRCA)

Post: Lecturer, Subject: Physics (National Merit-171)

Marks Obtained: Written-76 (out of 100), Viva-17 (out of 20)

REFEREES

Dr M Khalilur Rahman Khan

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(Minhajul Islam)

Date: 15-09-2021