



## CURRICULUM VITAE

*Date of Birth: June 6, 1981*

*Place of Birth: Khulna*

*Citizenship: Bangladesh*

### EDUCATION

- 2003-2004 (2005) **Master of Science in Applied Physics & Electronic Engineering, University of Rajshahi**
- Study emphases: Condensed Matter Physics, Power Electronics & Control System, Instrumentation, Biophysics, Programming, Network & Security
  - Master's thesis: "A study of indium (25% to 40% w of  $\text{In}_2\text{O}_3$ ) and silicon doped  $\text{Al}_2\text{O}_3$  thin films as transparent conductor". Submitted on July, 2006
  - Result: First Class
- 1999-2002 (2003) **Bachelor of Science (Honours) in Applied Physics & Electronics, University of Rajshahi**
- Study emphases: Solid State Physics, Electronics, Atomic & Nuclear Physics, Computer Programming, Communication Engineering, Geophysics
  - Final year project: "Online ticket booking system".
  - Result: Upper Second Class
- 1996-1997 (1998) **Higher Secondary Certificate (Science Group)**  
Govt. M.M.City College, Khulna, Bangladesh
- Advanced Courses in Science and English
  - Result: First Division
- 1996 **Secondary School Certificate (Science Group)**  
Khulna Zilla School, Khulna, Bangladesh
- Result: First Division

### PUBLICATIONS

1. K. S. Arefin, M. M. H. Sohag, S. H. Bhuiya, N. Sultana and J. A. B. Murshidi. 2018. SOIL ELEMENTS CHARACTERIZATION BY X-ray FLUORESCENCE. Bangladesh J. Environ. Sci. 34: 19-26.
2. K. S. Arefin, M. M. H. Sohag, S. H. Bhuiya, N. Sultana and J. A. B. Murshidi. 2018. SOIL TEXTURE ANALYSIS USING PARTICLE SIZE ANALYZER. Bangladesh J. Environ. Sci. 34: 27-30.
3. K. S. Arefin, M. M. H. Sohag and S.H. Bhuiya. 2014 GRAPHICAL USER INTERFACE BASED RADIATION MONITORING SYSTEM. Bangladesh J. Nuclear Agric. 30:105-111.
4. S. H. Bhuiya, H. Yamanishi, T. Uda, N. Sultana and K. S. Arefin. 2014 DEVELOPMENT OF AN ENERGY AND DIRECTIONAL INDEPENDENT NEUTRON DOSE MONITOR. Bangladesh J. Nuclear Agric. 30:1-12.
5. M. K. Sarkar, G. M. F. Ahmed, A. Biswas, A. F. M. Mamun, K. S. Arefin. 2013. MIS FOR NARS: BANGLADESH CONTEXT. Int. J. Soc. Dev. Inf. Syst. 4(2): 01-07.
6. Mihir Kanti Sarkar, G.M. Faysal Ahmed, Ananya Biswas, MD. Ayub Hossain, Khondakar Sumsul Arefin. 2013. INFORMATION TECHNOLOGY IN AGRICULTURAL MARKETING. Int. J. Sustain. Agril. Tech. 9(2): 66-72.
7. S. H. Bhuiya, M. M. H. Sohag, K. S. Arefin, N. Sultana, H. Yamanishi and T. Uda. 2018. NEUTRON ENERGY RESPONSE AT DIFFERENT LAYERS OF MODERATOR AND ABSORBER. Bangladesh J. Nuclear Agric. 31: Accepted.
8. S. H. Bhuiya, M. M. H. Sohag, K. S. Arefin, N. Sultana, Sham Hasan and A. Bazlie Abdul Kadir. 2018. CDR EVALUATION OF GC-5000 USING CERIC-CEROUS AND GAMMA CHROME DOSIMETERS. Bangladesh J. Nuclear Agric. 31: Accepted.

## FELLOWSHIPS / AWARDS

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- International Atomic Energy Agency (IAEA) Fellowship in the field of "Nuclear Instrumentation, Electronics & Reactor Control" at Nuclear Science & Application Laboratory, Seibersdorf, Austria.
- 6<sup>th</sup> month training fellowship at Malaysian Nuclear Agency, Malaysia.

## CONFERENCE PROCEEDINGS

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1. Khondakar Sumsul Arefin, Atowar Rahman. 2008. ELECTRICAL AND OPTICAL PROPERTIES OF INDIUM DOPED ALUMINA ( $Al_2O_3$ ) THIN FILMS, International Conference on Electronics, Computer and Communication, ICECC, University of Rajshahi, Bangladesh. :59.
2. Abu Bakar Md. Ismail, Abdul Al Mortuza, Khondakar Shamsul Arefin, A. K. M. Badrul Alam. 2010. IN-SITU PASSIVATION OF POROUS SILICON BY  $LaF_3$  USING A SIMPLE SINGLE-SOURCE CHEMICAL BATH TECHNIQUE. The International Conference on Nanophotonics 2010, Epocal Tsukuba, Tsukuba, Japan. : 117.

## PROFESSIONAL EXPERIENCE

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11/2018 – To date	<b>Senior Scientific Officer</b> <ul style="list-style-type: none"><li>■ Electronics Section, Bangladesh Institute of Nuclear Agriculture, Mymensingh</li></ul>
11/2006 – 11/2018	<b>Scientific Officer</b> <ul style="list-style-type: none"><li>■ Electronics Section, Bangladesh Institute of Nuclear Agriculture, Mymensingh</li><li>■ Guest lecturer at Mymensingh Engineering College, Mymensingh</li></ul>

## AFFILIATIONS

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- Bangladesh Association for the Advancement of Science (BAAS)
- Bangladesh Electronics Society
- Network of Instrument Technical personnel and User scientists of Bangladesh

## TRAINING / Scientific Attachment

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Thailand, 2007	■ Ultimate 3000 HPLC Training
Germany, 2008	■ Application training for AAS (Atomic Absorption Spectrometer) ZEE nit 700
Malaysia, 2012	■ Web programming, database design and Networking
Malaysia, 2013	■ Nuclear techniques in agriculture
Austria, 2013	■ Extended training in Nuclear Instrumentation and electronics (sensor design)
Malaysia, 2017	■ X-ray diffraction, FESEM, SEM, Raman microscope and Electro spinning at Material Technology Group, Malaysian Nuclear Agency

## LANGUAGES

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- English – Fluent (Instruction medium in entire Educational Program)
- Bangla (Native)

## COMPUTER SKILLS

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- Operating System: MSDOS, Windows XP, Vista, 7, 8 & 10, RHCE-6
- Computer Language: C/C++, Visual Basic, Java, Pascal
- Scientific Applications: LabVIEW, MATLAB/Simulink, Xilinx ISE, VHDL(FPGA)

## REFERENCES

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- **Dr. A.B.M. Ismail**  
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University of Rajshahi, Rajshahi-6205, Bangladesh  
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- **Dr. Sariful Haque Bhuiya**  
Chief Scientific Officer, Electronics  
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