

Professor Md. Khairul Alam *Ph.D*

Dean, Faculty of Science
&
Chairman, Department of Physics
Pabna University of Science and Technology
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Professional Experiences

Professor, Department of Physics, Pabna University of Science and Technology, Pabna. From 23 December 2019 till to date.

Associate Professor, Department of Physics, Pabna University of Science and Technology, Pabna. From 12 March 2014 to 22 December 2019.

Assistant Professor, Department of Physics, Pabna University of Science and Technology, Pabna. From 11 January 2012 to 11 March 2014.

Assistant Professor: Government Azizul Haque College, Bogura. From 09 January 2003 to 10 January 2012.

Lecturer (English Medium), SKBZ School and College, Abu Dhabi, UAE (with LIEN). From 22 August 2002 to 05 January 2003.

Lecturer, Department of Physics, Rajshahi College, Rajshahi. From 24 December 1997 to 19 August 2002.

Lecturer, Department of Physics, Government Asheq Mahmud College, Jamalpur. From 31 August 1996 to 23 December 1997 appointed through 16th BCS examination.

Administrative Experiences

Vice Chancellor (Routine duty), Pabna University of Science and Technology.
From 11 April 2022 to 13 April 2022.

Dean, Faculty of Science, Pabna University of Science and Technology.
From 29 July 2021 to till date.

Dean, Faculty of Life and Earth Science, Pabna University of Science and Technology.
From 15 October 2018 to 14 October 2020.

Dean, Faculty of Engineering and Technology, Pabna University of Science and Technology
From 04 July, 2018 to 10 September, 2018.

Dean, Faculty of Science, Pabna University of Science and Technology
From 01 November, 2014 to 13 February, 2016.

Chairman, Department of **Physics**, Pabna University of Science and Technology
From 15 January 2021 to till date.

Chairman (in Charge), Department of **Statistics**, Pabna University of Science and Technology
From 08 September, 2017 to 07 March, 2018.

Chairman, Department of **Physics**, Pabna University of Science and Technology
From 15 January 2012 to 14 January 2015.

Director, Institutional Quality Assurance Cell, Pabna University of Science and Technology
From 01 March 2021 to 30 June 2022.

Convener, Transport pool, Pabna University of Science and Technology
From 2013 to 2014.

Editorial Experiences

Editor, Pabna University of Science and Technology Studies (PUST STUDIES), ISSN 2308-6246, Vol. 1-4, 2019.

Member, Editorial Board, Pabna University of Science and Technology Studies (PUST STUDIES), ISSN 2308-6246, Vol. 1-2, 2014.

Editor, Monitor, published by District Information and Communication Technology Committee, Bogura 2011.

Other Experiences

Focal Point for GST Admission Test 2020-2021, Pabna University of Science and Technology Centre.

Convener, Admission Test 2020-2021, Pabna University of Science and Technology, Pabna.

Member, Board of Advanced Studies, Pabna University of Science and Technology, Pabna, as Dean.

Member, Academic Council, Pabna University of Science and Technology, Pabna, as Dean and Chairman.

Permanent Member, Academic Council, Pabna University of Science and Technology, Pabna, as Professor.

Member Finance Committee, Pabna University of Science and Technology, Pabna, as Dean.

Secretary, Teachers Officers Club, Pabna University of Science and Technology. From March 2012 to June 2013.

Secretary, District Science and Information and Communication Technology Committee, and **Member-secretary**, Science Fair, Bogura District for 2011 and 2009.

Secretary (Elected), BCS General Education Cadre, Government Azizul Haque College, Bogura. From 2003 to 2004.

Joint Secretary (Elected), Teachers Council, Government Azizul Haque College, Bogura. From 2010 to 2011.

Member, Tender Evaluation Committee-1, TEC-2 and Tender Opening Committee From 15 October 2018 to 14 October 2020.

Convener, Furniture Purchase Committee, Pabna University of Science and Technology. From 2018 to 2019.

Advisor, Joypurhat Welfare Association, Bogura.

Member, Debate Team, Mother Boksh Hall, University of Rajshahi, 1990

Scout, Participated in 5th Asia Pacific Scout Jamboree, Mouchak, Dhaka, 1980-1981

Educational Qualifications

Ph.D. Awarded 2019, Pabna University of Science and Technology, Bangladesh.

Dissertation Title: Optical Diagnostics of Atmospheric Pressure Needle to Plane Dielectric Barrier Discharge (DBD) Plasma.

M.Sc. (Solid State Physics), 1989, Department of Physics, University of Rajshahi.

Thesis Title: Electrical Properties of $\text{In}_x\text{Ga}_{1-x}\text{As}$ Thin Film Prepared by MBE.

B.Sc. (Honours), 1988, Department of Physics, University of Rajshahi.

HSC, 1985, Govt. Carmichael College, Rajshahi Board.

SSC, 1983, Kalai M. U. High School, Rajshahi Board.

Training

Higher Training for College Teachers on Physics, National University, Gazipur, Bangladesh. From January to February 2004 and achieved A+ grade.

53rd Foundation Training for BCS education cadres, NAEM, Dhaka, 1999.

Environment Development and Management, Bangladesh Public Service Commission, Rajshahi Centre, 1999.

Teachers Training on **Computer Science**, NTRAMS, Bogura, 1997.

Networking and Data Communication, Bangladesh Computer Council, 2001.

FORTRAN77 Computer Course, Computer Centre, University of Rajshahi, 1993.

dBaseIII+ Computer Course, BYTE Computer Centre, Rajshahi, 1991.

Affiliations

Member, Executive Committee, Physics Alumni Association of Rajshahi University (PAARU) from 2019 to till date

Member, Executive Committee, Bangladesh Meteorological Society, Dhaka.

Research Interests

Plasma Physics, Meteorology, Thin Film and Solid State Physics.

Award

Best Paper Award, June 2013 edition, TJPRC.

Author

Md. Khairul Alam, *Electricity O Magnetism* for undergraduate course (In Bangla), 2nd Edition, Metro Publications, Dhaka.

Journal Articles

M K Alam, M W Rahman, A T M Kaosar Jamil, Electron Temperature and Electron Density of Atmospheric Pressure Needle to Plane Dielectric Barrier Discharge Air Plasma, International Journal of Applied and Natural Sciences (IJANS) ISSN(P): 2319-4014; ISSN(E): 2319-4022 Vol. 8, Issue 4, Jun - Jul 2019; 71-80 © IASET.

M. K. Alam, M. W. Rahman, A. T. M. Kawsar Jamil, "OH Radical in Atmospheric Pressure Hollow eedle to Plane Dielectric Barrier Discharge Ar/H₂O Plasma", International Journal of Photonics and Optical Technology, Vol. 5, Iss. 1, pp: 27-32, Mar. 2019, [ISSN: 2455 – 8869].

M K Alam, M W Rahman, A T M Kaosar Jamil, “Gas Temperature of Atmospheric Pressure Needle to Plane Dielectric Barrier Discharge Open Air Plasma”, IOSR Journal of Applied Physics (IOSR-JAP), [ISSN: 2278-4861]. Volume 10, Issue 5 Ver. II (Sep. – Oct. 2018), 01-06 DOI: 10.9790/4861-1005020106.

M S HOSSAIN, **M K ALAM**, Species Densities of Dielectric Barrier Discharge (DBD) Non-Thermal Nitrogen Plasma, International Journal of Physics and Research (IJPR), ISSN (P) 2250-0030; ISSN (E) 2319-4499, Vol. 9, Issue 2, Dec 2019, 1-6.

M.A. Rahman, M.K. Saha, **M.K. Alam** & M.R. Talukder, Generation and Characterization of Atmospheric Pressure Air Plasma and Finding its Applications, Global Journal of Science Frontier Research Biological Sciences, Volume 13 ,Issue 2, Version 1.0, P.6,(2013). [Online ISSN: 2249-4626 & Print ISSN: 0975-5896].

Alam M K, Chowdhury M G, Electrical Properties of InxGa1-xAs Thin Film Prepared by MBE, International Journal of Engineering Science and Research Technology, 2(2): P. 272-276(2013). [ISSN: 2277-9655].

Alam M K, Activation Energy of InxGa1-xAs Thin Film Prepared by MBE, International Journal of Semiconductor Science & Technology (IJSST), Vol.3, Issue 2, Jun 2013, 7-16, ISSN(P): 2250-1576; ISSN(E): 2278-9405, Vol. 4, Issue 5, Oct 2014, 21-30.

Alam M K, Magneto Resistance of InxGa1-xAs Thin Film Prepared by MBE, Global Journal of Science Frontier Research Physics and Space Science, Volume 13, Issue 4 Version 1.0 Year 2013, P 9-13 [Online ISSN: 2249-4626 & Print ISSN: 0975-5896].

M A Rahman, **M K Alam**, M A Ali, M S Islam, Construction And Study Of Aridity Index Based On Temperature & Rainfall Data In Ishurdi, Pabna, Bangladesh., IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG). Volume 1, Issue 1 (May. –Jun. 2013), PP 01-04 [e-ISSN: 2321-0990, pISSN:2321- 0982].

M Saiful Islam, **Alam M K**, Rahman M A, “Groundwater Dynamics in Pabna District, Bangladesh”, IOSR Journal Of Environmental Science, Toxicology And Food Technology (IOSR-JESTFT), Volume 4, Issue 2 (May. - Jun. 2013), PP 65-72 [e-ISSN: 2319-2402, p-ISSN: 2319-2399].

Conference Proceedings

Presentation: **M. K. Alam**, N. C. Roy, M R Talukder, “Spectroscopic Diagnostics of Atmospheric Pressure DBD Needle to Plane Air Plasma”. International Conference on Plasma Science and Application (ICPSA 2014), Kathmandu, Nepal.

Presentation: M.A. Rahman, M.K. Saha, **M.K. Alam** & M.R. Talukder, “Production of atmospheric pressure air plasma and finding its applications”, International Conference on Advances in Physics 2013 (ICAP 2013), Department of Physics, Shahjalal University of Science and Technology, Sylhet-3114, Bangladesh.

Personal Profile

Name: Md. Khairul Alam
Father's Name: Md. Motior Rahman
Mother's Name: Mrs. Khairunnesa
Permanent Address: Village: Krisnonagar (Fakir Para), Post: Baniapara, Post Code: 5930, Upazilla: Khetlal, District: Joypurhat, Bangladesh.
Mailing Address: Department of Physics, Pabna University of Science and Technology, Pabna, Post Code: 6600, Bangladesh.
Date of Birth: 09 April 1968
Sex: Male
Marital Status: Married
Spouse's Name: Mst. Makhsuda Akhter
Religion: Islam
Nationality: Bangladeshi (by birth)
Blood Group: B Positive

I do hereby declare that all the above information is true and correctly describes my experiences, qualifications and myself to the best of my knowledge.

Md. Khairul Alam, Pabna 6600, Bangladessh.