

Curriculum Vitae



Personal Information

First name(s) / Surname(s)	MOHAMMAD RUHUL AMIN BHUIYAN		
Address(es)	Faculty Member, Department of Electrical and Electronic Engineering, Islamic University, Kushtia 7003, Bangladesh		
Phone(s)	+88 02 478853638	Mobile:	+88 01711 443079
E-mail	mrab_eee@iu.ac.bd , mrab_iu@yahoo.com		
Nationality	Bangladeshi https://orcid.org/0000-0001-7335-4158		
Date of Birth	December 10, 1974		
Gender	Male		

Research Experience

Research year and place	Research information
Research year: Jan 2023 to Dec 2023 Place: Islamic University, Kushtia 7003, Bangladesh	<i>Growth and Characterization of $Bi_2Te_{3-x}Se_x$ ($0.10 \leq x \leq 1.80$) Nanostructured Materials for Thermoelectric Applications, Postdoctoral Research</i> , UGC postdoctoral Fellowship 2022, UGC, Bangladesh
Research year: May 2016 to Feb 2017 Place: Cankiri Karatekin University, Cankiri 18100, Türkiye	<i>Growth and Characterization of Bismuth Telluride (Bi_2Te_3) Nanoparticles for Thermoelectric Applications, Postdoctoral Research</i> , TUBITAK, Türkiye
Research year: July 2012 to June 2013 Place: Islamic University, Kushtia 7003, Bangladesh	<i>Growth and Characterization of Copper Indium Di-selenide ($CuInSe_2$) Nanoparticles, Principle Investigator</i> , Research Project in Ministry of Science and Technology, Bangladesh
Research year: July 2011 to June 2012 Place: Islamic University, Kushtia 7003, Bangladesh	<i>Synthesis and Characterization of Ni doped ZnO Nanoparticles, Project Director</i> , Research Project in Ministry of Science and Information, Communication Technology, Dhaka, Bangladesh
Research year: July 2010 to June 2011 Place: Islamic University, Kushtia 7003, Bangladesh	<i>Synthesis and Characterization of Al doped ZnO Nanoparticles, Project Director</i> , Research Project in Bangladesh University Grant Commission (BUGC), Bangladesh
Research year: July 2009 to June 2010 Place: Islamic University, Kushtia 7003, Bangladesh	<i>Synthesis and Characterization of Barium Titanate ($BaTiO_3$) Nanoparticles, Researcher</i> , Research Project in Islamic University, Bangladesh
Research year: July 2004 to Feb 2008 Place: Bangladesh Atomic Energy Centre, Dhaka 1000, Bangladesh	<i>Growth and Characterization of Silver Gallium Di-selenide ($AgGaSe_2$) Thin Films, Ph.D Research</i> , Islamic University, Kushtia 7003, Bangladesh
Research year: July 1997 to June 1999 Place: University of Rajshahi, Rajshahi 6205, Bangladesh	<i>CdTe Thin Films, CdO-SiO₂ Glass and Glass Ceramics, Multi-channel PC based ECG Monitoring System, Researcher</i> , Research Project in University of Rajshahi, Rajshahi 6205, Bangladesh
Research year: July 1996 to June 1997 Place: University of Rajshahi, Rajshahi 6205, Bangladesh	<i>To Study the Structural, Electrical and Optical Properties of Tellurium (Te) Thin Films, M.Sc. Thesis</i> , University of Rajshahi, Rajshahi 6205, Bangladesh

Work Experience

Position and Time Period	Department and University
Professor , August 2017 to till Now	Electrical and Electronic Engineering, Islamic University, Kushtia 7003, Bangladesh

Professor , February 2012 to July 2017	Applied Physics, Electronics and Communication Engineering, Islamic University, Kushtia 7003, Bangladesh
Associate Professor , May 2008 to January 2012	Applied Physics, Electronics and Communication Engineering, Islamic University, Kushtia 7003, Bangladesh
Assistant Professor , December 2006 to April 2008	Applied Physics, Electronics and Communication Engineering, Islamic University, Kushtia 7003, Bangladesh
Assistant Professor , October 2002 to November 2006	Electronics and Applied Physics, Islamic University, Kushtia 7003, Bangladesh
Lecturer , October 1999 to September 2002	Electronics and Applied Physics, Islamic University, Kushtia 7003, Bangladesh
Research Assistance , July 1999 to September 1999	Applied Physics and Electronics, University of Rajshahi, Rajshahi 6205, Bangladesh

The total duration of time spent on research < 4 years 4- 10 years > 10 years

Academic Profile

Degree and Country	Faculty/Department/College/School	Score	Year
Postdoctoral Islamic University, Kushtia, Bangladesh	Electrical and Electronics Engineering	Successfully Completed	2023
Postdoctoral Cankiri Karatekin University, Cankiri, Türkiye	Electrical and Electronics Engineering	Successfully Completed	2017
Ph.D. Islamic University, Kushtia 7003, Bangladesh	Applied Science and Technology	Degree Award	2008
M.Sc. University of Rajshahi, Rajshahi 6205, Bangladesh	Applied Physics and Electronics	First Class	1995
B.Sc. (Hons) University of Rajshahi, Rajshahi 6205, Bangladesh	Applied Physics and Electronics	First Class	1994
Higher Secondary Certificate (HSC)	Govt. Science College, Bangladesh	First Division	1991
Secondary School Certificate (SSC)	B.A.R.I. High School, Bangladesh	First Division	1989

Fellowship

Name of institution	Fellowship	Time period
Islamic University, Kushtia 7003, Bangladesh	UGC Fellowship, Bangladesh (Postdoctoral. Research)	January 2023 to December 2023
Cankiri Karatekin University, Cankiri 18100, Türkiye	Erasmus+ KA 107 (Teaching Mobility Program)	March 14, 2022 to March 18, 2022
Manisa Celal Bayar University, Manisa 45140, Türkiye	Visiting Researcher	January 19, 2017 to Sep 21, 2017
Cankiri Karatekin University, Cankiri 18100, Türkiye	TUBITAK Fellowship, Türkiye (Postdoctoral Research)	May 23, 2016 to Feb 27, 2017
Islamic University, Kushtia 7003, Bangladesh	UGC Fellowship, Bangladesh (Ph.D. Research)	July 01, 2004 to June 30, 2007
University of Rajshahi, Rajshahi 6205, Bangladesh	Rajshahi University Scholarship (Researcher)	July 01, 1997 to June 30, 1999

Personal skills and competences

Mother tongue(s)	Bangla
Other language(s)	English, Arabic

Self-assessment in English		Understanding	Speaking	Writing
Level (poor, fair, good, very good, excellent)		Very good	good	Very good
Social skills and competences		President (2017-2018), Vice President (2015-2016) Islamic University Club, Kushtia, Bangladesh. Executive Member , Bangladesh Physical Society, Dhaka, Bangladesh (2016-2017). Teacher's Association, Islamic University, Kushtia, Bangladesh (2013, 2016) President (2023-2024) Vice President (2018-2019, 2017-2018, 2015-2016), Genarel Secretary (2009-2010, 2010-2011, 2012-2013), Joint Secretary (2008-2009), Zia Parishad, Islamic University, Kushtia, Bangladesh		
Institutional skills and competences		Faculty member , Engineering and Technology From August 2017 to until now, Applied Science and Technology, Islamic University, Kushtia 7003 From February 2012 to July 2017 Chairmen (2014-2016), Head SAC Committee (2015-2016), Applied Physics, Electronics and Communication Engineering, Islamic University, Kushtia 7003, Bangladesh Provost , Shahid Ziaur Rahman Hall, Islamic University Kushtia, Bangladesh (2013-2015) House tutor , Saddam Hossain Hall, Islamic University, Kushtia, Bangladesh (2002)		
Technical skills and competences		XRD, EDAX, SEM, TEM, FTIR, UV-VIS and TE measurement,		
Software skills and competences		Program BASIC and C/C++, SCAPS-1D , COMSOL Multiphysics		
Awards and honours		Gold medal award 1995, Shahid Ziaur Rahman Hall, University of Rajshahi, Bangladesh. (In recognition of securing the First Class in Applied Physics and Electronics at the Bachelor of Science examination of the year 1995) Best paper presentation award (ICPAS-2017), Istanbul, Türkiye, 2017, Nanomaterials and energy prize Award 2023		
<h3>Publications</h3>				
Publication information	Book/Chapter publications (04)	SCI, ISI, SCIE, ESCI Journal articles (20)	Other journal articles (39)	Conferences Contribution (13)
Google Scholar: Citations: 1112, h-index: 18; Research Gate: Citations: 997, h-index: 17; Scopus: Citations: 656; h-index: 13				
Books/Chapter 2016 to until now	04.	Nanostructured Materials for Thermoelectric Applications , Mohammad Ruhul Amin Bhuiyan, Eliva Press, Republic of Moldova. 2023, ISBN: 978-99993-1-110-6.		
	03.	Zinc Oxide Nanomaterials for Biomedical Applications , M.R.A. Bhuiyan, Hayati Mamur and Ömer Faruk Dilmaç. Advances in Organic Synthesis 18 (2023) 190–235, Bentham Science, ISBN: 978-981-5040-79-1. (Q4, IS 1.25)		
	02.	Thermoelectric Bismuth Telluride Nanostructure , M.R.A. Bhuiyan, Hayati Mamur and Ömer Faruk Dilmaç. LAP Germany, 2017, ISBN: 978-620-2-07328-8.		
	01.	Ternary Semiconductor AGS Thin Films , M.R.A. Bhuiyan, S.M. Firoz Hasan and Hayati Mamur, LAP Germany, 2016, ISBN: 978-3-659-97618-6.		
SCI/ISI/SCIE/ESCI Journal articles 2006 to until now	20.	Sawrab Sikder, Rakib Hosen, Md. Shihab Uddin, Md. Manjurul Haque, Hayati Mamur, Mohammad Ruhul Amin Bhuiyan, Influence of different layers on enhancing the PV performance of Al/ZnO/ZnMnO/CIGSSe/Cu ₂ O/Ni solar cells, Applied Solar Energy , 60(02) (2024) 201–2146. (Q3, IF 0.340)		
	19.	Mohammad Ruhul Amin Bhuiyan, Overcome the future environmental challenges through sustainable and renewable energy resources, Micro & Nano Letters , 17(14) (2022) 402–416. (Q3, IF 1.102) Citations 09		
	18.	Mohammad Ruhul Amin Bhuiyan, Hayati Mamur, Ömer Faruk Dilmaç, Mehmet Ali Üstuner, Opportunities for thermoelectric generators in supporting a low carbon economy, Nanomaterials and Energy , 11(1,2) (2022) 8-26. (Q3, IF 1.02) Cite. 02		

17.	Mohammad Ruhul Amin Bhuiyan, Hayati Mamur, Ömer Faruk Dilmaç, Current and future trend opportunities of thermoelectric generator applications in waste heat recovery, <i>Gazi University J. Science</i> , 35(3) (2022) 896–915. (Q3, IF 0.780 Cite. 10
16.	Hayati Mamur, Mehmet Ali Üstuner, Mohammad Ruhul Amin Bhuiyan, Future perspective and current situation of maximum power point tracking methods in thermoelectric generators, <i>Sustainable Energy Technologies and Assessments</i> , 50 (2022) 101824. (Q1, IF 8.000) Citations 21
15.	Hayati Mamur and Mohammad Ruhul Amin Bhuiyan, A brief review of the synthesis of ZnO nanoparticles for biomedical applications, <i>Iranian J. Materials Science and Engineering</i> , 18(3) (2021) 1–27. (Q3, IF 0.594) Citations 15
14.	M.R.A. Bhuiyan and Hayati Mamur, A brief review on renewable and sustainable energy resources in Bangladesh, <i>Cleaner Engineering and Technology</i> , 4 (2021) 100208. (Q1, SC 4.5) Citations 51
13.	M. R. A. Bhuiyan, H. Mamur and Ö. F. Dilmaç, A review on performance evaluation of Bi ₂ Te ₃ -based and some other thermoelectric nano structured materials, <i>Current Nanoscience</i> , 17(3) (2021) 423–446. (Q3, IF 1.50) Citations 14
12.	Hayati Mamur, Cihan Şahin, Mevlüt Karaçor and Mohammad Ruhul Amin Bhuiyan, Design and fabrication of an outer rotor permanent magnet synchronous generator with fractional winding for micro wind turbines, <i>IET Electric Power Applications</i> , 14(12) (2020) 2273–2282. (Q2, IF 2.35) Citations 07
11.	Hayati Mamur and Mohammad Ruhul Amin Bhuiyan, Characterization of Bi ₂ Te ₃ nanostructure by using a cost effective chemical solution route, <i>Iranian J. Chemistry and Chemical Engineering</i> , 39(3) (2020) 23–33. (Q3, IF 1.903) Citations 16
10.	Mahfuza Akter, Mohammed N.I. Khan, Hayati Mamur, Mohammad Ruhul Amin Bhuiyan, Synthesis and characterisation of CdSe QDs by using a chemical solution route, <i>Micro & Nano Letters</i> , 15(5) (2020) 287–290. (Q3, IF 1.102) Citations 11
09.	Günnur Şen, Mustafa Nil, Hayati Mamur, Halit Doğan, Mustafa Karamolla, Mevlüt Karaçor, Fadıl Kuyucuoğlu, Nuran Yörükeren, M.R.A. Bhuiyan, The effect of ambient temperature on electric power generation in natural gas combined cycle power plant- A case study, <i>Energy Reports</i> , 4 (2018) 682–690. (Q2, IF 5.200) Citations 56
08.	Hayati Mamur, O.F. Dilmac, H. Korucu and M.R.A. Bhuiyan, Cost effective chemical solution synthesis of bismuth telluride nanostructure for thermoelectric applications, <i>Micro & Nano Letters</i> , 13(8) (2018) 1117–1120. (Q3, IF 1.102) Citations 19
07.	Hayati Mamur, M.R.A. Bhuiyan, Fatih Korkmaz and Mustafa Nil, A review on bismuth telluride (Bi ₂ Te ₃) nanostructure for thermoelectric applications, <i>Renewable and Sustainable Energy Review</i> , 82(3) (2018) 4159–4169. (Q1, IF 15.900) Citations 306
06.	M.R.A. Bhuiyan, M. Alauddin Al Azad and S.M. Firoz Hasan, Annealing effect on structural and electrical properties of AgGaSe ₂ thin films, <i>Indian J. Pure & Applied Physics</i> , 49 (2011) 180–85. (Q3, IF 0.846) Citations 37
05.	M.R.A. Bhuiyan, M.M. Alam, M.A. Momin, Effect of substrate temperature on the optical properties of thermally evaporated ZnS thin films, <i>Turkish J. Physics</i> , 34 (2010) 43–49. (Q3, IF 2.10) Citations 17
04.	M.R.A. Bhuiyan, D.K. Saha and S.M. Firoz Hasan, Structural and electrical properties of polycrystalline Ag _x Ga _{2-x} Se ₂ (0.4≤x≤1.6) thin films, <i>Indian J. Pure & Applied Physics</i> , 47 (2009) 787–92. (Q3, IF 0.846) Citations 19
03.	M.R.A. Bhuiyan, M.K. Rahman and S.M. Firoz Hasan, Valence-band characterization of AgGaSe ₂ thin films, <i>J. Physics D: Applied Physics</i> , 41 (2008) 235108. (Q1, IF 3.40) Citations 12
02.	M.R.A. Bhuiyan and S.M. Firoz Hasan, Optical properties of polycrystalline Ag _x Ga _{2-x} Se ₂ (0.4≤x≤1.6) thin films, <i>Solar Energy Materials & Solar Cells</i> , 91 (2007) 148–52. (Q1, IF 6.90) Citations 27
01.	M.R.A. Bhuiyan and S.M. Firoz Hasan, Optical absorption characteristics of polycrystalline AgGaSe ₂ thin films, <i>J. Physics D: Applied Physics</i> , 39 (2006) 4935–39. (Q1, IF 3.40) Citations 32

International other journal 2012 to until now	39	Md. Kamrul Hasan, Md. Manjurul Haque, Mehmet Ali Üstüner, Hayati Mamur, Mohammad Ruhul Amin Bhuiyan, Optimizing the performance of Bi_2Te_3 TECs through numerical simulations using COMSOL multiphysics, <i>J. Alloys and Metallurgical Systems</i> , 5 (2024) 100056.
	38	Md. Shihab Uddin, Rakib Hosen, Sawrab Sikder, Md. Manjurul Haque, Hayati Mamur, Mohammad Ruhul Amin Bhuiyan, Photovoltaic performance enhancement of $\text{Al}/\text{ZnO}/\text{Al}/\text{i-ZnO}/\text{CdS}/\text{CIGS}/\text{Pt}$ solar cell using SCAPS-1D software, <i>Next Energy</i> , 2 (2024) 100080.
	37.	Rakib Hosen, Sawrab Sikder, Md. Shihab Uddin, Md. Manjurul Haque, Hayati Mamur, Mohammad Ruhul Amin Bhuiyan, Effect of various layers on improving the photovoltaic efficiency of $\text{Al}/\text{ZnO}/\text{CdS}/\text{CdTe}/\text{Cu}_2\text{O}/\text{Ni}$ solar cells, <i>J. Alloys and Metallurgical Systems</i> , 4 (2023) 100041. Citations 01
	36.	Mohammad Ruhul Amin Bhuiyan, Hayati Mamur, Haluk Korucu, Md. Manjurul Haque, Growth and characterization of $\text{Bi}_2\text{Te}_{2.70}\text{Se}_{0.30}$ nanostructured materials by using a cost-effective chemical solution route, <i>J. Alloys and Metallurgical Systems</i> , 4 (2023) 100032. Citations 01
	35.	Hayati Mamur, Mehmet Ali Üstüner, Haluk Korucu, Mohammad Ruhul Amin Bhuiyan, Performance evaluation of $\text{Bi}_{2-x}\text{Sb}_x\text{Se}_3$ ($0.10 \leq x \leq 1.80$) thermoelectric nanostructured materials, <i>Cleaner Chemical Engineering</i> , 6 (2023) 100101. Citations 03
	34.	Hayati Mamur, Mehmet Ali Üstüner, Ömer Faruk Dilmaç, Mohammad Ruhul Amin Bhuiyan, Performance evaluation of $\text{Bi}_2\text{Te}_{3-x}\text{Se}_x$ ($0.10 \leq x \leq 1.80$) thermoelectric nanostructured materials, <i>Cleaner Chemical Engineering</i> , 4 (2022) 100063. Cit. 10
	33.	Mohammad Ruhul Amin Bhuiyan, Hayati Mamur, Ömer Faruk Dilmaç, Jahanara Begum, Thermoelectric generator one of the renewable energy source, <i>Cleaner Materials</i> , 2 (2021) 100030. (Q1, SC 3.0) Citations 35
	32.	Hayati Mamur and Mohammad Ruhul Amin Bhuiyan, Bismuth telluride (Bi_2Te_3) nanostructure for thermoelectric applications, <i>Int. Scientific Vocational Studies J.</i> , 3(1) (2019) 1-7. Citations 06
	31.	Hayati Mamur and M.R.A. Bhuiyan, Synthesis and characterization of Se doped Bi_2Te_3 nanocrystalline materials, <i>Karaelmas Sci. Engg.</i> , 9(1) (2019) 11-21. Cit. 04
	30.	Hayati Mamur and M.R.A. Bhuiyan, Development of bismuth telluride nanostructure pellet for thermoelectric applications, <i>Hittite J. Sci. Engg.</i> , 5(4) (2018) 293-299. Citations 04
	29.	M.R.A. Bhuiyan, M.M. Alam, M.A. Momin, H. Mamur, Characterization of Al doped ZnO nano structures via an electrochemical route, <i>Int. J. Energy Appl. Tech.</i> , 4(1) (2017) 28-33. Citations 07
	28.	Hayati Mamur, Ismail Atacak, Fatih Korkmaz, M.R.A. Bhuiyan, A level training set with both a computer-based control and a compact controller, <i>Int. J. Embed. Syst. Appl.</i> , 7(1) (2017) 1-16.
	27.	M.R.A. Bhuiyan and Hayati Mamur, Review of the bismuth telluride (Bi_2Te_3) nanoparticle: growth and characterization, <i>Int. J. Energy Appl. Tech.</i> , 3(2) (2016) 27-31. Citations 10
	26.	S.C. Barman, D.K.Saha, H. Mamur and M.R.A. Bhuiyan, Growth and description of Cu nano structure via a chemical reducing process, <i>J. Nanosci. Nanoengg. Appl.</i> , 6(3) (2016) 27-31. Citations 04
	25.	M.R.A. Bhuiyan, E. Hoq and J. Begum, Compositional and optical properties of Sb doped ZnO thin films, <i>Research Reviews: J. Phys.</i> , 3(2) (2014) 18-23.
	24.	M.R.A. Bhuiyan, M.M. Alam, M.A. Momin, M.K. Rahman and D.K. Saha, Growth and characterization of CuInSe_2 nanoparticles for solar cell applications, <i>J. Alternate Ener. Sources and Tech.</i> , 5 (2014) 13-17. Citations 05
	23.	M.R.A. Bhuiyan and M.K. Rahman, Synthesis and characterization of Ni doped ZnO nanoparticles, <i>Int. J. Engg. Manuf.</i> , 4 (2014) 10-17. Citations 24
	22.	M.A.A. Mashud, S.C. Barman, M.R.A. Bhuiyan and Md. Serajul Islam, Design and implementation of three phase unbalanced voltage motor controller, <i>Int. J. Intelligent Systems Applications</i> , 10 (2013) 35-42. Citations 01
National 2000 to until now	21.	E. Hoq, J. Begum and M.R.A. Bhuiyan, Influence of thickness on the optical properties of Sb doped ZnO thin films, <i>J. Bangladesh Acad. Sci.</i> , 38(1) (2014) 93-96. Citations 06
	20.	M.A.A. Mashud, M.R.A. Bhuiyan and Md. Serajul Islam, Design and development of a microcontroller based regulated high voltage power supply for GM detectors, <i>Jahangirnagar Phys. Studies</i> , 19 (2013) 71-77. Citations 01

19.	M.R.A. Bhuiyan, M.A.H. Mia and J. Begum, Substrate temperature effect on the structural and optical properties of ZnSe thin films, <i>J. Bangladesh Acad. Sci.</i> , 36(2) (2012) 233-40. Cits. 16
18.	M.A.A. Mashud, M.R.A. Bhuiyan, M.A. Masud and M.S. Islam, Design and development of microcontroller based portable digital surface contamination monitor, <i>Ulab J. Sci. Engg.</i> , 2 (2011) 42-45. Citations 03
17.	M.A.H. Miah, J. Begum, M. Jalal Uddin, M.A. Momin, and M.R.A. Bhuiyan, Influence of thickness on the structural and optical properties of ZnSe thin films, <i>J. Appl. Sci. Tech.</i> , 7(2) (2010) 27-32. Citations 09
16.	M.A.A Azad, M.A. Momin, M.K. Rahman and M.R.A. Bhuiyan, I-V Characteristics of Ag/AgGaSe ₂ thin film schottky barrier diode <i>J. Appl. Sci. Tech.</i> , 7(1) (2010) 37-39.
15.	M.A. Momin, M.A. Islam, M.A.A Azad, M.S. Ali and M.R.A. Bhuiyan, Influence of the thickness on the electrical properties of CdS thin films, <i>J. Appl. Sci. Tech.</i> , 7(1) (2010) 49-53. Cit. 01
14.	M.R.A. Bhuiyan, D.K. Saha and S.M. Firoz Hasan, Effect of temperature on the structural and optical properties of AgGaSe ₂ thin films, <i>J. Bangladesh Acad. Sci.</i> , 33(2) (2009) 179-88. Citations 04
13.	M.S. Islam, M.R.A. Bhuiyan, M.M. Alam, M.S. Ali and S.M. Firoz Hasan, Optical properties of transparent Zinc Oxide (ZnO) thin films, <i>J. Appl. Sci. Tech.</i> , 5(2) (2008) 101-05.
12.	N.K. Biswas, Shamima Chowdhury, M.R.A. Bhuiyan and S.M. Firoz Hasan, Structural and optical properties of vacuum evaporated Zn _x Cd _{1-x} S thin films, <i>J. Bangladesh Acad. Sci.</i> , 31(2) (2007) 205-11. Citations 01
11.	M. Mehedi Hasan, M.R.A. Bhuiyan, M. Alauddin Al Azad and S.M. Firoz Hasan, Thickness effect on the optical properties of tellurium thin films, <i>J. Appl. Sci. Tech.</i> , 4(2) (2006) 39-43.
10.	M.R.A. Bhuiyan and S.M. Firoz Hasan, Influence of the thickness on optical properties of AgGaSe ₂ thin films, <i>Nuclear Sci. Appl.</i> , 15(1) (2006) 44-47. Citations 01
09.	S.M. Firoz Hasan and M.R.A. Bhuiyan, Optimization of growth parameters for AgGaSe ₂ thin films, <i>J. Bangladesh Elec. Soc.</i> , 5(2) (2005) 111-14.
08.	M.R.A. Bhuiyan and S.M. Firoz Hasan, Dependence of optical properties of SEL-deposited silver gallium selenide thin films on the on-Line growth parameter: annealing duration, <i>Nuclear Sci. Appl.</i> , 14(2) (2005) 63-66. Citations 01
07.	S.M. Firoz Hasan, M.R.A. Bhuiyan and A.S.M.A. Haseeb, Dependence of optical and structural properties of AgGaSe ₂ thin films on composition, <i>Nuclear Sci. Appl.</i> , 14(2) (2005) 74-78.
06.	M. Mehedi Hasan, M.R.A. Bhuiyan, M.S. Ali and S.M. Firoz Hasan, Effect of substrate temperature on the optical properties of tellurium thin films, <i>Nuclear Sci. Appl.</i> , 14(2) (2005) 83-86.
05.	M.R.A. Bhuiyan, L. Quadir and S.M. Firoz Hasan: Growth of AgGaSe ₂ thin films by a stacked elemental layer deposition technique, <i>Nuclear Sci. Appl.</i> , 14 (2005) 73-77. Citations 08
04.	M.T. Islam, M.R.A. Bhuiyan, S.K. Mondol, M.I. Abdullah, Design and development of multi-channel PC based ECG monitoring system, <i>J. Appl. Sci. Tech.</i> , 3 (2003) 7-10.
03.	M.K. Rahman, M.A. Sobhan, S.K. Mondol and M.R.A. Bhuiyan, Preparation and properties of CdTe thin films for energy-efficient selective surface applications, <i>J. Appl. Sci. Tech.</i> , 3(1) (2003) 97-99.
02.	M.S. Alam, S.K. Mondol, M.M. Haque and M.R.A. Bhuiyan, Structural infrared (IR) investigation of CdO-SiO ₂ glass and glass ceramics, <i>J. Appl. Sci. Tech.</i> , 3(1) (2003) 101-04.
01.	M.R.A. Bhuiyan, K.M.A. Sobhan, M.S. Ali and K.A. Khan, Temperature effect of the electrical properties of tellurium thin films, <i>J. Appl. Sci. Tech.</i> , 1(1) (2000) 57-60.

International Conferences

Conference Paper	13.	H. Korucu, E.Y. Mertsoy, M.R.A. Bhuiyan, <i>Synthesis of graphene oxide by hummers tour method and reduced graphene oxide by chemical reduction method</i> , 2nd International Karatekin Science and Technology Conference, 21-22 December 2023, Çankiri, Türkiye, ISBN: 978-605-82910-8-9 , 169-172.
	12.	H. Korucu, E.Y. Mertsoy, M.R.A. Bhuiyan, E. Bektas, A. Yartasi, A. I. Mohamed, T.S. Majeed, M.M. Daher, M.O. ALI, <i>Performance evaluation of graphene oxide synthesis from graphite by hummers method</i> , 2nd Int. Karatekin Science and Technology Conference, 21-22 Dec. 2023, Çankiri, Türkiye, ISBN: 978-605-82910-8-9 , 380-383.

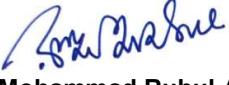
	11.	O.E. Golen, M.A. Ustuner, M.R.A. Bhuiyan, H. Mamur, <i>Maximum power point transfer of off-grid stored energy and battery management system design and implementation</i> , 6th International Conferences on Science and Technology, 30 August-01 September 2023, Budva, Montenegro, Türkiye, ISBN: 978-625-98911-1-8 , 258-262.
Oral presentation	10.	<i>Utilization Status of Renewable Energy Resources of Türkiye and Bangladesh</i> , Int. Renewable Energy Seminar, Manisa Celal Bayar University, Manisa, Türkiye , 20 March 2022
	09.	<i>Development of Bi_2Te_3 Nanostructure Pellet for Thermoelectric Application</i> , Int. Conference on Progres in Applied Science (ICPAS-2017), Istanbul, Türkiye , 4-6 January, 2017.
	08.	<i>Review of the Bismuth Telluride (Bi_2Te_3) Nanoparticle: Growth and Characterization</i> , 3rd Int. Conference on Advanced Technology and Science (ICAT 2016), Selcuk University, Konia, Türkiye , 01-03 September, 2016.
	07.	<i>Synthesis and Characterization of Cu Nanoparticle</i> , Int. Conference on Mechanical Engineering and Nanotechnology (ICMEN 2015) Singapore , 26-28 October 2015.
	06.	<i>Nano Particle-based Polymer</i> , The University of Malaya, Kuala Lumpur, Malaysia , 05 January, 2015.
Participate as a Organizer/Delegate	05.	<i>International Conference on Physics for Sustainable Development</i> , Dhaka University, Dhaka, Bangladesh , 08-10 March, 2018.
	04.	<i>Turkish-African University Collaboration Forum and Education Fair</i> , Ilgaz, Türkiye , 25-27 May, 2016.
	03.	<i>International Conference on Medical Physics, Radiation Protection and Radiobiology</i> , SMS Medical College and Hospital, Jaipur, India , 20-22 Feb., 2015
Participate as a Chair/Co-chair	02.	<i>International Conference on Physics for Energy and Environment</i> , Atomic Energy Centre, Dhaka, Bangladesh , 10-12 March, 2016.
	01.	<i>International Conference on Structure, Processing and Properties of Materials (SPPM-2010)</i> University of Engineering and Technology, Bangladesh , 24-26 February, 2010.

Professional Memberships

Member, Games and sports committee, Islamic University, Kushtia, Bangladesh. University Teacher's Association of Bangladesh, International Solar Energy Society, Bangladesh. Solar Energy Society; **Life Member**, Bangladesh Physical Society; **Associate Member**, Bangladesh Computer Society. **Member**, International Solar Energy Society

References

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