

Curriculum Vitae

HIMANGSHU RANJAN GHOSH
157, Jagannath Hall, Dhaka University
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1. Educational Qualification:

Name of Exam.	Major Subject/ Group	University/ Board	Passing year	Result	% of Marks
Master of Science (M. Sc.)	Applied Physics & Electronics	Dhaka University	1999 (Held in 2001 Result in2003)	First Class (7th Position)	69
Bachelor of Science (B.Sc.)	Applied Physics & Electronics	Dhaka University	1998 (Held in 2000 Result in2000)	Second Class (4th Position)	57
Higher Secondary Certificate(H.S.C.)	Science Group	Dhaka Board	1995	First Division	83
Secondary School Certificate(S.S.C.)	Science Group	Dhaka Board	1993	First Division	84

2. Trainings:

1. International Training Program on Solar Energy
7-18 January, 2003, IIT Bombay, Mumbai, India
2. One day tutorial course on VLSI/ULSI - Materials, Devices and Modeling
15 December, 2003, IIT Madras, Chennai, India
3. Design and Implementation of Renewable Based Hybrid Power Systems
1-6 November, 2004, Mahweli Development Centre, Suriyawewa, Srilanka
4. SWERA-RETSscreen Regional Workshop (Bangladesh)
Delivered by NRCan's CANMET Energy Technology Centre (CETC)
19-20 June, 2003, Dhaka University, Dhaka
5. Training workshop for Awareness Building & Motivation on Renewable Energy, Energy Efficiency
and Green House Gas Abatement (PREGA Phase 2)
1-2 June, 2005, BCAS, Dhaka, Bangladesh
6. Training course on Geographic Information Systems (GIS)
April-July, 2003, The Institution of Engineers-Bangladesh, Dhaka

3. Current academic enrollment:

1. Ph.D. researcher
Topic: "Potential of Solar Energy utilization and CO₂ mitigation in Bangladesh"
Dept. of Applied Physics, Electronics and Communication Engineering, Dhaka University

4. Professional Experience:

1. Research Fellow
Solar and Wind Energy Resource Assessment (SWERA) – Bangladesh project (UNEP/GEF)
Renewable Energy Research Centre, Dhaka University
From 1st December, 2002 to October 2005
2. Instructor
Two day training programme on solar radiation instruments installation and data collection
Bangladesh Meteorological Department, Bangladesh

3. Lecturer (Part time)
Certificate Course on Renewable Energy and Its Applications
Renewable Energy Research Centre, Dhaka University

5. **Publications:**

1. Estimation of monthly averaged daily and hourly global & diffuse radiation for Bangladesh
H.R.Ghosh, L.Mariam, M.Sadia, S.K.Khadem, N.C.Bhowmik and M.Hussain
The Dhaka University Journal of Science, Vol. 54(1), page 109-113, 2006
2. Study on the band gap of Anthracene grown by slow evaporation method
D Mahjabeen, Anbusrinivasan, *H R Ghosh*, A Ahmed and Z H Mahmud
The Dhaka University Journal of Science, Vol. 54(1), page 81-83, 2006
3. Wind resource assessment over Kutubdia island, Bangladesh
S K Khadem, *H R Ghosh*, S K Aditya and M Hussain
The Dhaka University Journal of Science, Vol. 54(2), Page 219-223, 2006
4. Estimation of sunshine duration from cloud cover and rainfall data for Bangladesh
H. R. Ghosh, S. M. Ullah, S. K. Khadem, L. Mariam, N. C. Bhowmik and M. Hussain
The Dhaka University Journal of Science, Vol. 54(2), Page 187-190, 2006
5. Wind energy assessment for the coastal part of Bangladesh
S K Khadem, *H R Ghosh*, S K Aditya, N C Bhowmik, M Hussain
The Dhaka University Journal of Science, Vol. 55(1), page 53-57, 2007
6. Feasibility study of wind home system in coastal region of Bangladesh
S K Khadem, L Mariam, H R Ghosh and J Rahman
The Dhaka University Journal of Science, Vol. 55(2), page 263-268, 2007

6. **Membership/ Professional Affiliation:**

1. Life Member of Bangladesh Solar Energy Society

7. **Personal Information:**

1. Father's Name: Narayan Chandra Ghosh
2. Mother's Name: Mira Rani Ghosh
3. Permanent Address: Palash (Bazar), Palash, Narsingdi
4. Date of Birth: 30 October 1977
5. Marital Status: Single
6. Religion: Hindu
7. Nationality: Bangladeshi by Birth

8. **References:**

1. Dr. Muhtasham Hussain
Ex-Professor, Department of Physics, University of Dhaka
Chief consultant, SWERA- Bangladesh
President, Bangladesh Solar Energy Society
Tel-9677125
2. Dr. Neem Chandra Bhowmik
Professor and Chainman, Department of Applied Physics, Electronics and Comm. Engineering
Director, Renewable Energy Research Centre
Dhaka University
Tel-9661920-59/4570, 9677125

Conference papers:

1. Papers in international conferences

1. Estimation of sunshine duration from cloud cover data for Bangladesh
H.R.Ghosh, S.M.Ullah, S.K.Khadem, N.C.Bhowmik and M Hussain
International conference on Renewable Energy Technology for Rural Development
12-14 October 2003, Kathmandu, Nepal
2. Prediction of Clock time hourly Global and diffuse radiation from daily values over Bangladesh
S.M.Ullah, S.K.Khadem, H.R.Ghosh, R K Mozumder and M Hussain
International conference on Renewable Energy Technology for Rural Development
12-14 October 2003, Kathmandu, Nepal
3. Measurement and Estimation of sunshine duration for Bangladesh
H R Ghosh, S M Ullah, S K Khadem, N C Bhowmik and M Hussain
3rd International conference on Renewable Energy for Sustainable Development
2-4 October 2003, Dhaka Bangladesh
4. Experimental studies on band gap energy of GaAs using conductivity and optical absorption methods
Himangshu Ranjan Ghosh, Saeed Mahmud Ullah, Al-Mamun and Z H Mahmood
The Twelfth International Workshop on The Physics of Semiconductor Devices
16 – 20 December 2003, IIT Madras, Chennai, India
5. The effect of obstacles close to the Anemometer mast located on a building on wind flow in the WASP model
S.K.Khadem, J.Badger, S.M.Ullah, S.K.Aditya, H.R.Ghosh and M.Hussain
International conference on Renewable Energy Technology for Rural Development
12-14 October 2003, Kathmandu, Nepal
6. WASP analysis of wind energy over Kutubdia and selection of sites for wind generators
S K Khadem, S K Aditya, S M Ullah, H R Ghosh and M Hussain
3rd International conference on Renewable Energy for Sustainable Development
2-4 October 2003, Dhaka Bangladesh
7. Estimation of hourly global and diffuse radiation for bangladesh
H. R. Ghosh, S. K. Khadem and S. K. Aditya, M. Hussain
Selected on 1st International Conference ESDev-2005,
26-28 June 2005, Abottabad, Pakistan

2. Papers in national conferences

1. Experimental study on Band gap energy of n(100) GaAs
H R Ghosh, S M Ullah, Al-Mamun and Z H Mahmood
First Symposium of STRC on The Role of Semiconductors for the Technological Development
1 February 2003, Dhaka University, Dhaka
2. Prediction of sunshine duration from cloud cover for Bangladesh
H R Ghosh, S M Ullah, S K Khadem, N C Bhowmik and M Hussain
National Seminar on Renewable Energy in Bangladesh: Research and Application
14 September 2003, BSES and RERC, Dhaka University, Dhaka