

## RESUME OF DR. MD. ABDUL HAMID

### Mailing Address:

Director  
Bangladesh Academy for Rural Development  
(BARD)  
Kotbari, Comilla

Cell: +880-1721025491

Email: drhamid\_bard@yahoo.com



## ACADEMIC EXCELLENCE

SL	ACADEMIC TITLE	UNIVERSITY/ INSTITUTION	RESULT/ ACHIEVEMENT	YEAR
1.	Ph D* (Natural Science and Technology)	Okayama University, Japan	Awarded	1995
2.	M. Sc. Ag. Engg. (Farm Structures)	Bangladesh Agricultural University (BAU), Mymensingh, Bangladesh	Second Class (56.50%)	1985
3.	B Sc. Ag Engg (Hons) (Irrigation & Water Management)	Do	Second Class (53.07%)	1982
4.	H.S.C. (Science Group)	Dhaka Board	Second Class (55.90%)	1976
5.	S.S.C. (Science Group)	Dhaka Board	First Class (65.55%)	1974

\* Under Ground Water Environmental Modeling in Bangladesh Perspectives using 'Finite Element Method (FEM)

## CAREER HIGHLIGHTS

SL	DESIGNATION	ORGANIZATION AND ADDRESS	JOB RESPONSIBILITY	YEAR
1.	Director (Agriculture and Environment, Rural Administration, Sociology and Demography, and Project Divisions)	Bangladesh Academy for Rural Development (BARD), Comilla	<ul style="list-style-type: none"> <li>- As a Div. Head, carry out all the divisional managerial/academic responsibility</li> <li>- Support the Director General in Policy making for effective management;</li> <li>- To carry out all mandatory responsibility of managing the Division assigned</li> <li>- To Prepare the different research/ action research/pilot projects by identifying the contemporary problems/searching innovative solutions (on catchy issues);</li> <li>- To guide Faculties (Assistant, Deputy and Joint Directors) in Research/Action Research /pilot project and Training;</li> <li>- To conduct the regular class sessions on the subjects mainly on 'Water Resource</li> </ul>	2007-to-date  <b>No of Faculty Guide-20</b> (Multi Div as RD is a multi-dim. Approach)

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			Management, Environmental Policy and Laws. Sustainable Development (SD), EIA (Environmental Impact Assessment), Disaster Management, Climate Change Mechanisms and Adaptations, Development Imperatives etc, as well as Research concepts, report writing techniques, Governance & SD, Material Management, Biodiversity etc with up to date information.	
2.	Joint Director  (Discipline Head of Technology, Extension and Environment Development, Research and Training Divisions)	BARD, Comilla	<ul style="list-style-type: none"> <li>- Managing faculties/staff and supporting Divisional Director in all aspects of disciplines;</li> <li>- Guiding the faculties, the postgraduate students; publish articles/books; conducting class sessions;</li> <li>- Carry out responsibility of Director often as the senior most faculty;</li> <li>- Prepared pilot project on (1) Integrated Approach to Promote Promising Technology for Poverty Reduction and Sustainability, (2) Techniques of Overcoming Rice Yield Stagnancy and (3) Rural Water Technology Based Development: An Approach to Empowerment of Women &amp; Environment.</li> </ul>	1996-2007  No of Faculty Guide-17 (Multi Div as RD is a multi-dimensional Approach)
3.	Sr. Scientific Officer	BINA, Mymensingh	<ul style="list-style-type: none"> <li>- Planning/designing and conducting research projects on developing appropriate technologies/strategies, performed related lab &amp; field experiments. Monopoly Research organizes on Agril Development</li> <li>- Managing lab &amp; field workers and Completing M. Sc. on Farm Structural Engg. &amp; PhD (Natural Science and Technology, Japan)/Supporting in policy and making publication (8 res. Articles)</li> </ul>	1990-1996  No of Faculty Guide-3
4.	Scientific Officer	BINA/BARC, Dhaka	- Do as above & specifically Conducting pilot research/ management/ guide Field officers & staff (WB funded Project 'Indigenous Water Lifting Technology) & Report/presenting res. output to Institution.	1983-1990 Faculty Guide-1

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## SPECILIZATION HIGHLIGHTS

SL	AREAS OF SPECIALIZATION
1.	<b>(a) Technological Aspects:</b> Basically is an Irrigation Engineer and Water Management specialist. Professionalism has grown on Research and Training. Numerous researches, Pilot projects and training activities are designed/successfully conducted. About 50 Res. reports are published in national and international journals including scientific books. Specific specialized fields are Water Resource and Irrigation Management, Water, Climate Change & Environment and Arsenic Contamination
2.	<b>(b) Social Aspects:</b> Competency grown on socio-eco-environmental aspects like rural community organizing/resource inventories/mobilization, micro-credit support mechanism, non-farm rural activity/policy uplifting, awareness building & strategy formulation.
3.	<b>(c) Higher Studies and Recent Specialization:</b> PhD performed on 'Natural Science and Technology' emphasizing Under Groundwater Environmental Change, ground subsidence and similar behaviors of soil due to change in pore-water pressure (Technology based). It was on emphasizes Bangladesh Perspectives. The thesis emphasized simulation model development for predicting effects due to water pressure change on the structures built on reclaimed soil by using 'Finite Element Method of UK.
4.	<b>(d) Fields of additional Expertise grown through higher studies/training/service experience</b> a. Plan, design and conduct/management of research, training and pilot experiments; b. Nutrition, Food security, social safety and production improvement through research, training, strategies development/policy supports & advice to executive chief and government. c. Guiding/management of faculties and staff in accordance to mandated responsibilities, Coordinating programs, budgeting/human resource (HR) utilizations in water and irrigation. Moreover, interacting with diversified visitors come from home & abroad on RD& providing policy supports, consultancy/counseling services in favor of nation-building experts and briefly, Tech Environment (CC mechanisms/adaptations, Community based development for sustainability & resource conservation as well as on emerging issues are recurring schedules.

## PUBLICATION HIGHLIGHTS

SL	TYPES OF PUBLICATION	NUMBER ( TOTAL-37)	REMARKS
1.	Books/ Research Reports	1. Hamid, M. A, 2015: Climate Change Mechanisms and Water. The Book is published by Olympic Publishers, Comilla and opened the cover at Ekusher Boi Mela (Book	Published/ under publications

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		<p>Fair), 25<sup>th</sup> February, 2015.</p> <ol style="list-style-type: none"> <li>2. Hamid, M. A, 2014: Water &amp; Natural Environment: Widespread Disorder &amp; Emerging Issues (cvwb I cÖvK...wZK cwiřek: e`vck WvgvřWvj I Avwef©-Z cwibwZ); Olympic Publishers'</li> <li>3. Hamid, M. A, 2015: Extreme Events of Climate Change and its Adaptation at CZ (is under Publication).</li> <li>4. Hamid, M. A, 2015: Cattle Rearing and Organic Farming (is under the process of Publication).</li> <li>5. Hamid, M. A. et al 2015: Effects of Extreme Events of CC on the Livelihoods in Bangladesh is under publication.</li> <li>6. Hamid, M. A. et al 2015: Impact Evaluation of VGD (Vulnerable Group Development - an evaluation study of Govt. supported project for distressed group) activity in Bangladesh. Published by BARD, Comilla.</li> <li>7. Hamid, M. A, 2013: Reality &amp; Emerging Issues of Water Resources in the World and Bangladesh.</li> <li>8. Hamid, M. A., 2010: Rural Water Technology Based Development: An Approach to Empowerment of Women and Environment. A Res. Report published by SSRC (Soci. Sc. Res. Council), Planning Commission.</li> <li>9. Hamid, M. A., 2004: Factors in Environmental Degradation due to Technological Interventions. Report published by BARD, Comilla in book formed in 2004. ISBN -984-559-155-6.</li> <li>10. Hamid, M. A., 2002: Performance Evaluation of Low-cost Deep Tube Well Technology. Report published by BARD, Comilla in book formed in 2002. ISBN -984-559-147-7.</li> <li>11. Hamid, M. A; M. K. Roy and S. K. Munshi, 2002: Techniques of Overcoming Rice Yield Stagnancy. A Report published by BARD, Comilla in book formed in 2002. ISBN-984-559-133-7.</li> <li>12. Sarifullah A. K. and M. A. Hamid, 2002: Status of Minor Irrigation Technology Use in Bangladesh. A Research Report published by BARD, Comilla, in book formed in 2002, ISBN-984-559-138-8.</li> </ol> <p>Total No-12</p>	<p>The books have been getting wide response mostly by BADC, BARC, BUET &amp; other NARS org., MoE, BWDB, DPHE, DAE, IEB, Dir. of Tec. Education, College &amp; Universities.</p>
2.	Journal Article (home and abroad)	<ol style="list-style-type: none"> <li>1. Rahman, M. M. and M. A. Hamid, 2005: Union Parishads in Bangladesh: Voices from Grassroots. Journal of Rural Development, Vol.24 (2), NIRD, Hyderabad, India, PP.</li> </ol>	Published

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		<p>227-246 (2005).</p> <ol style="list-style-type: none"><li>2. Hamid, M. A., 2003: Agril Development and Environment: Resource, Dev. and Envi. at the present context of Bangladesh. Current Thoughts on RD; A Special Issue of Pub, BARD, Comilla. ISBN-984-559-140-2.</li><li>3. Islam N; M. A Hamid; N.A. Chowdhury and S.K. Munshi, 2001: Performance of Hybrid Rice at the Farmers Levels of Comilla: The Journal of Rural Development (RD), Vol.31 (1), January, 2001, BARD.</li><li>4. Hamid, M.A., 2001: Estimation of Cost of Irrigation Water in Minor Irrigation Projects: Case of ComillaSadarThana. The Journal of RD, BARD, Comilla, Vol. 31, No 2, July 2001: 35-57.</li><li>5. Hamid, M.A., 2000: Stagnancy of Irrigation Activities in Bangladesh. A Review Paper in Bangla . 'PalliUnnayan' an annual Journal of Bangladesh Academy for RD (BARD), July 2000 (Shraban, 1407): 31-50.</li><li>6. Hamid, M.A., 1999: Underground Water Resource: Bane beside Boon. A Review Paper in Bangla in 'Development Review' published by Academy for Planning and Development, Dhaka. Volume 11, January &amp; June 1999, Number 1 &amp; 2.pp-71-83.</li><li>7. Hamid, M.A., 1999: Current Irrigation Activities, Policy Implication and its prospects in Bangladesh. BangladeshUnnayanSamikkha' BIDS, Dhaka, Part -16 (Annual), 1405 Bang., (1999): 155-166.</li><li>8. Islam, A.F.M.S., M.A. Salam, A.R.M. Solaiman, M.A. Hamid &amp;Baset Mia, 1993: Effect of Planting date on the Growth and Yield of Cauliflower Cultivars, Bangladesh J. of Agril. Sci. 20 (1): 47-52.</li><li>9. Sarker, A. A., A.A. Hassan, M.U. Ahmed, M.A. Hamid, 1991: Irrigation Scheduling to Wheat in the old Brahmaputra Flood Plain Soil Using Open Evaporation. Thai. J. of Agric, Sci. 24: 95-102</li><li>10. Hamid, M.A., M.W. Ullah and M.A. Mazed, 1990:</li></ol>	
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		<p>Irrigation Canal Lining by Precast Concrete Rectangular Sections Reinforced with Wirenets. Bangladesh J. of Agric, Res. BARI, Joydebpur, Gazipur, 15 (1), 1 – 7.</p> <p>11. Hamid, M.A. and M.W. Ullah, 1990: Lining Irrigation Canals with Wirenets Reinforced Precast Semicircular Concrete Sections, Progressive Agriculture. 1(1) : 53-60.</p> <p>12. Hamid, M.A., 1990: Reduction of Irrigation Water Loss through Secondary Channel Lining with Inexpensive Additives, Thai Journal of Agric, Science (April 1990) : 149- 57.</p> <p>13. Hamid, M.A. A. Khair, A.A. Sarker, S. Islam &amp; S. Alam, 1989: Assessment of Irrigation and Drainage Response on the Yield of BINASHAIL Rice. Bangladesh J. of Water Resource Research, 10 (1): 25.31.</p> <p>14. Hamid, M.A. and A. Khair, 1989: Water Loss Reduction in Conveyance System Using Newly Fabricated Low-cost Cannel Section. Journal of the Institution of Engineers, Bangladesh. 17 (3): 11-15.</p> <p>15. Hamid, M.A. and A.A. Hassan, 1988: Effect of Irrigation and Drainage on the Yield Contribution Characters of Atom Pat – 38, A High Yielding Variety of Jute, Bangladesh J. Nuclear Agriculture, 4: 73-75.</p>	
3.	Research Monographs (mimeo)	<p>1. Hamid, M. A., 2009: Prevalence and Consequences of Tube Well Irrigation: A micro level environmental study. A Research Report is published as mimeo by BARD in book formed.</p> <p>2. Hamid, M. A., S. K. Munshi and M. T. Islam, 2009: Diversified Agriculture for Sustainable Development.</p> <p>3. Hamid, M. A., 2009: Impact of Comprehensive Village Development Programme (CVDP) on Agriculture and Sustainable Institutional Development- The paper is published as mimeo by CVDP, BARD, Comilla.</p> <p>4. Hamid, M. A., 2004: State of the Art of Rural Bangladesh: Technological Diffusion and Achievements.</p> <p>5. Hamid, M.A., 1997: Factors in the Rice Yield Stagnancy and Possible Means to Overcome. A Report published as mimeo by (BARD), Comilla, Bangladesh.</p> <p>6. Hamid, M. A.: 'Water Environment and Development', is</p>	Published

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		going to write (draft), on under the context of Bangladesh, South Asian and the World in accumulating the authors experiences of country visits. Total No-6	
4.	Others	<ol style="list-style-type: none"> <li>1. Hamid, M.A., 2001: 'Safe Water for Sound Health' Published in the daily newspaper "Rupshi Bangla", Comilla, Sunday, March 23, 2001: 2-3.</li> <li>2. Hamid, M.A., (1995): National Water Issue and the Environment. Published in the daily newspaper "The Bangladesh Observer", Dhaka, Sunday, October 1, 1995: 5.</li> <li>3. Khan, L.R. and M.A. Hamid, 1990: Groundwater Resource Assessment for Development Planning of Tube well Irrigation System in TangailUpazila, Progress Report (1988-90).</li> </ol> <p>Total No-3</p>	Published
5.	Seminar/workshop paper	<ol style="list-style-type: none"> <li>1. Hamid, M. A. &amp; M. A. Matin, 2005: Report of the International Workshop on "Role of Modern Irrigation Tech in Improving FS" 1-8 May 2005, Jordan,. PP-67-86. The paper was presented and later published.</li> <li>2. Hamid, M. A., 2004: Natural Resources and Bangladesh. A report published inAnnual Conference (19<sup>th</sup>) of IEB (Institution of Engineers, Bangladesh), Comilla Centre, 2004-05.The paper was presented in conf.</li> <li>3. Hamid, M. A., 2002: Socio-economic Impacts of Irrigation Project in South Comilla and North Noakhali Region. A working paper organized by BARD and BWDB &amp; a publication of BARD in 2002.The paper was presented in a house of 3 ministers, about 20 MP and more than 100 NBDs officials.</li> <li>4. Hamid, M. A., 2002: Land-Population, Technological Interventions and Environmental Sustainability Issues in Rural Areas of Bangladesh. The paper presented at 10<sup>th</sup> Bangladesh National Geographical Conf20002.</li> <li>5. Hamid, M. A., 1999: More Recent State of Environment of Bangladesh. Presented inIEB Conf of 1999.</li> <li>6. Hamid, M.A., 1998: Groundwater Contamination due to Technological Interventions. Ann. Conf., IEB.</li> <li>7. Fujii, H., M.A. Hamid et al, 1995: Calculated and Observed Settlements of Soft Ground in Polder due to</li> </ol>	

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		<p>Embankment in Five Projects. IS-Hiroshima '95, An Intl Symp paper presented for Ph.D fulfillment.</p> <p>8. Nishimura, S., K. Shimada, H. Fujii and M.A. Hamid, 1995: Several Consideration of Back Analysis for Consolidation. IS-Hiorshima '95, An International Symp paper presented as requirement of Ph.D fulfillment.</p> <p>9. Fujii, H., K. Shimada, S. Nishinura, M.A. Hamid &amp; T. Hyami, 1994: Comparing the Mechanical Behavior of Soft Ground in Three Projects at Kasaoka Reclaimed Land. Anl Conference of JSIDRE, 1994. The paper was presented by me as requirement of Ph.D fulfillment.</p> <p>10. Hamid, M.A. and A.A. Sarker, 1989: Development of Water Use Management Practice for Different Crops Using Nuclear Technique &amp; Small Scale Irrigation Structures. Proc. PL-480, BINA, 27 May, 1989: 68-74.</p>	
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## TRAINING

SL	TRAINING TITLE	ORGANIZATION	LOCATION	YEAR
1.	Intl Training-Workshop on Irrigation System and Water Management in Afro-Asian Region	AARDO/AHKNC RD	Pakistan	2015
2.	Intl Training-Workshop on Planning & Management of Rural Housing	NIRD (India)/CIRDAP	India	2013
3.	Intl Training(IT)-Workshop on Sustainable Agriculture Development	KOICA/IATC/AA RDO	South Korea	2012
4.	Intl Training on Application on Remote Sensing & GIS in Agricultural Surveys	IASRI (India)/AARDO	India	2010
5.	Intl Training-Workshop/visit on Capacity Building on Rural Development	Comsec/INFRA	Malaysia	2010
6.	Awareness Building on Recent Advances of Agril Bio-tech & Bio-safety	BARC/AGBIOS/B ARD	Bangladesh	2006
7.	IT on Role of Modern Irrigation Techniques in Improving Food Security	AARDO	Amman, Jordan	2005
8.	IT on Technologies for Rural Development (RD) & Integrating Them into RD Schemes	NIRD (India)/CIRDAP	India	2004
9.	Irrigation & Agricultural Tech Transfer/Extension	BARI	Gazipur	2004
10.	Training of Trainers Course (TOT)	BPATC	Dhaka	2001
11.	Core Master Trainer's Training	BARD	Comilla	2001



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12.	Water Reso. Mgt& Union Parishad- lowest tier, LG	LGED/RDA	Bogra	2000
13.	Special Computer Application Course	BPATC	Dhaka	2000
14.	EIA (Env. Impact Assessment) Practitioners Course	CGEIS	Dhaka/Netrokona	1999
15.	Disaster Management (TOT)	DMB	Dhaka	1999
16.	Disaster Management (in Service)	NAPD	Dhaka	1999
17.	Use of Thana Land/Soil Resource Utilization Guide	SRDI/GTI, BAU	Mymensingh	1999
18.	Integrated Training, Res& Tech Transfer in IWM	RDA	Bogra	1995
19.	The Use of Neutron Moisture Meter	BINA	Mymensingh	1991
20.	Training Course on Nuclear Agriculture	BINA/BARC	Mymensingh	1990
21.	Research Planning and Evaluation	BARI/BARC	Gazipur	1990
22.	Pump Irrigation in Bangladesh	BARC/GTI, BAU	Mymensingh	1986
23.	Administration, Management & Communication	GTI/BAU	Mymensingh	1982
24.	Farm Water Management	BAU	Mymensingh	1981
25.	IWM on Major Irrigation Projects of BWDB	DND/BWDB	Dhaka	1981

## PERSONAL INFORMATION

1. Complete Name	<b>DR. MD. ABDUL HAMID</b>
2. Date of Birth	1 <sup>st</sup> December, 1958
3. Blood Group	B+
4. NID No.	1923309335731
5. Present Address	Director , BARD, Kotbari, Comilla
6. Permanent Address	Vill- Tarakandi P. O.- Sreepur Kumaria Upazila- Jamalpur Sader Dist.- Jamalpur
7. Hobby	<ul style="list-style-type: none"><li>• Innovativeness</li><li>• Publishing the innovative thinking to the beneficiaries and awareness building</li><li>• Travelling worldwide and learning as well as disseminating to the public.</li></ul>

## VALIDATION

"All the information and data presented here are true to the best of my knowledge".

Dr. Md. Abdul Hamid