

## **CURRICULUM VITAE (BIO-DATA)**

- 1. Name in Full** : **Dr. Lutfor Rahman Khan**
- 2. Name of Father** : Late Abdus Salam Khan
- 3. Date of Birth** : 25th November, 1950
- 4. Place of Birth** : Narsingdi, Bangladesh
- 5. Nationality** : Bangladeshi
- 6. Designation** : Vice-Chancellor
- 7. Present Address** : Bangabandhu Sheikh Mujibur Rahman Agricultural University,  
Salna, Gazipur-1706, Bangladesh.  
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- 8. Permanent Address** : Vill. - Dargerbond, P.O.- Dulalpur,  
Upazila - Shibpur, Dist.- Narsingdi, Bangladesh
- 9. Marital Status** : Married

### **10. Academic Career (Secondary School Certificate to the Highest Degree):**

1. Passed Secondary School Certificate (S.S.C) from Dhaka Board in 1965 and secured 1st division & also passed Pre-Professional Courses ( H.S.C. ) from BAU in 1967 with 1st Division.
2. Passed B.Sc Agril. Engg. degree majoring in Irrigation & Water Management from B.A.U, Mymensingh and secured 1st Class 2nd Position.
3. Obtained M. Engg. degree with specialization in Water Resources Development from A I T, Bangkok in 1976.
4. Obtained Ph.D in Groundwater from the University of Newcastle Upon Tyne, U. K in 1982.
5. Aailed Visiting Fellowship ( 3 months duration ) in Irrigation Engg. at Kyoto University, Japan in 1988.
6. Aailed Post-Doctoral Fellowship in Groundwater at the Dept. of Civil Engineering, University of Newcastle Upon Tyne, U. K ( 1993 – 1994).

### **11. Advanced Training:**

1. Attended the course on System approach to water resources planning and management at BAU sponsored by BARC from 27-31 May, 1986.
2. Attended the regional training on Urban Hydrology at National Institute of Hydrology, Roorkee, India sponsored by UNESCO from 4-18 April, 1988.
3. Attended the international training on EIA of Water Resources at AIT, Bangkok, Thailand sponsored by IHP/UNESCO from 17-21 Feb. 1997.

### **12. Academic Excellence**

Recipient of the "1990 Third World Academy of Science Gold Medal" awarded by the **Bangladesh Academy of Sciences** for outstanding research contribution in the field of Agricultural Engineering, particularly in Irrigation and Water Management. The award was given by Her Excellency Begum Khaleda Zia, the then Prime Minister of Bangladesh, in July, 1991.

**13. Professional Experiences :**

	<u>Length of Service</u>	
	<u>From</u>	<u>To</u>
<b>a. <u>Teaching Positions</u></b>		
Professor	16.05.1991	08.01.2006
Associate Professor	20.03.1986	15.05.1991
Assistant Professor	02.01.1976	19.03.1986
Lecturer	22.11.1972	01.01.1976
<b>b. <u>Administrative Positions</u></b>		
Vice-Chancellor, BSMRAU	09.01.2006	To - date
Head, Dept. of Irrigation & Water Management, B.A.U	25.02.2004	08.01.2006
Member, Planning & Development Committee, B.A.U.	02.03.2003	31.01.2005
Member, Tender Committee (Civil & Electrical works)	01.01.2001	30.11.2003
Member, Admission Committee	01.01.2001	31.10.2003
Member, Bureau of Research & Testing Faculty of Agril. Engg & Technology	01.07.2001	08.01.2006
Associate Director, BAURES	16.01.1996	15.07.1997
Member, Committee for Advanced Studies & Research (CASR)	01.03.1992	30.09.1993
Member, Research Advisory Committee of BAURES	01.10.1990	30.09.1992
Head, Irrig. & WM Dept., BAU	05.06.1986	04.06.1988
O/C of BAU Weather Yard	05.06.1986	04.06.1988
House Tutor (S. S. H. Hall, BAU)	30.10.1984	30.06.1986
House Tutor (I. K. Hall, BAU)	01.09.1976	31.08.1979

#### **14. Attachment with Professional Organizations: ( National & International )**

- i. Member : Agriculturists Association of Bangladesh (AAB)
- ii. Member : Association of Engineers of Bangladesh ( AEB)
- iii. Member : International Water Resources Association (IWRA).
- iv. Member : International Association of Hydrological Sciences (IAHS)
- v. Member (Life) : Association of Hydrologists of India (AHI)
- vi. Member (Life) : Alumni Association, AIT, Bangkok
- vii. Member (Life) : Bangladesh Association for Advancement of Sciences (BAAS).
- viii. Member (Life) : Bangladesh Society of Agricultural Engineers ( BSAE ).
- ix. Fellow (Life) : Institution of Engineers, Bangladesh (No. F/2288).
- x. Member : Global Water Partnership Forum (Person ID: 530)

#### **15. Professional Achievements at International Level**

- i. **WHO's WHO in the WORLD** as an Engineering Educator, MARQUIS WHO's WHO, 11th Edition (Ref: World-11, 21570131), U.S.A., 1993.
- ii. Listed as '**Men of Achievement**' - Sixteenth Edition (Ref: Men16/E), International Biographical Center, Cambridge, U.K., 1994.
- iii. Listed as **WHO's WHO in the WORLD** of MARQUIS WHO's WHO, 12th Edition, (Ref: CB 9F World-12, 2150131), U.S.A., 1995-96.
- iv. Listed in the **International Directory of Distinguished Leadership** - Fifth Edition, American Biographical Institute, Inc. ( ABI ), U.S.A., 1994-95.

#### **16. List of Major Activities Performed at University & National Level**

##### **Administration, Teaching and Research :**

- i. Presently working as Vice-Chancellor of a public agricultural university where post-graduate (MS and Ph.D ) and under- graduate programs as well as research works are running with reputation.
- ii. Worked as Professor and Head of the Department of Irrigation & Water Management, Bangladesh Agricultural University where supervised research works of undergraduate and post-graduate students of the department.
- iii. Supervised 3 (three) Ph.D. students who worked on the following research topics:
  - a) Groundwater management for rice irrigation in Barind area,
  - b) Modelling of drought and its interpretation using GIS for transplanted aman cultivation in the north-west region of Bangladesh,
  - c) Design of Low-cost Deep Tubewell for multipurpose uses in Bangladesh.
- iv. Worked as **Coordinator** of a Contract Research Project entitled **Environmental impacts of groundwater abstraction in Barind area** sponsored by Bangladesh Agricultural Research Council under IDA- ARMP Credit 2015BD.
- v. Worked as **National Counterpart** on the Water Management Component of the "Joint Study on Agricultural and Rural Development in Bangladesh " sponsored by Japan International Cooperation Agency (JICA) and the Ministry of Agriculture, Govt. of Bangladesh (July, 1986 - March, 1990).

- vi. Worked as **Principal Investigator** in a project on "Groundwater Resources Assessment for Development Planning of Tubewell Irrigation System in Tangail Area" sponsored by Bangladesh Agricultural Research Council (BARC) (April, 1986 - June, 1991).
- vii. Worked as an **Investigator** in a scheme entitled "An Investigation into the Factors Affecting the Command Area of Different Irrigation facilities in Bangladesh" sponsored by Bangladesh Agricultural Research Council, Dhaka (January - December, 1978).
- viii. Worked as a **Team-member** in a research project on "**Quality of Groundwater in Bangladesh**" sponsored by Bangladesh Agricultural Development Corporation (1978-79).
- viii. Worked as a **Team-Member** in a University scheme entitled "Soil-water and Climatological Studies of Bangladesh Agricultural University Area" (1978 - 1979).
- ix. Worked as **Co-investigator** in a University research project entitled "Appraisal of Groundwater Conditions in Dinajpur District" (1973- 1974) and (1976- 1977).

**Consultancy Services ( worked on lien in different Ministries & Organizations ):**

- i. Worked as **Short-Term Consultant ( Agricultural Engineer )** with the IDB Pre-Appraisal Mission in Bangladesh ( 6 – 12 April, 2005 ) to prepare the Greater Rangpur Agriculture & Rural Development Project under the Ministry of Agriculture, Govt. of Bangladesh.
- ii. Worked as **Irrigation Expert** for Barind Multipurpose Development Authority (BMDA) under the Sustainable Environment Management Programme (SEMP)of the UNDP for 1.5 man-months (from 20 January to 30 June, 2003 ) in order to prepare the Barind Environmental Action Plan.
- iii. Worked as **National Consultant (Irrigation & Agril. Mechanization Specialist)** for one man-month (1.11.2001 to 31.12.2001) in a FAO sponsored project entitled **Developing Plan of Action for Implementation of the National Agriculture Policy – (BGD/00/006)** under the Ministry of Agriculture, Govt. Bangladesh.
- iv. Worked as **National Consultant (OFWM Specialist)** for two months (15.04.2001 to 13.06.2001) in a FAO sponsored project **On-Farm Water Management Pilot Programme in Support of Special Programme for Food Security- Phase II** (FAO:TCP/BGD/0167) under the Ministry of Agriculture, Govt. of Bangladesh.
- v. Worked as **On-Farm Water Management Specialist** for One month (01.05.2000 to 31.5.2000) in a FAO sponsored project **On-Farm Water Management Pilot Programme in Support of Special Programme for Food Security** (FAO:TCP/BGD/8928) under the Ministry of Agriculture, Govt. of Bangladesh.
- vi. Worked as **National Consultant (Hydrologist)** for one month from 01 to 31 Dec.,1999 in the **Bangladesh North West Agricultural Development Project** (FAO: COOP/BGD/E/085423) under the Ministry of Agriculture, Govt. of Bangladesh.

- vii. Worked as **On-Farm Water Management Specialist** for 3 months (01.9.99 to 30.12.99) in FAO sponsored project **On-Farm Water Management Pilot Programme in Support of Special Programme for Food Security** (FAO:TCP/BGD/8928) under the Ministry of Agriculture, Govt. of Bangladesh.
- viii. Worked as **National Training Specialist** for 3 months (17 Dec. 1998 – 16 March 1999) for FAO under the Project of the Ministry of Agriculture, GOB, entitled” **Strengthening of Support Services in Irrigated Agriculture” SoSSIA – TCP/BGD/6612.**
- ix. Worked as **Groundwater Expert** for 3 months (21 April - 20 July, 1993) with the Ministry of Agriculture, Govt. of Bangladesh under the Project - **Assisting Transformation to Irrigated Agriculture (ATIA)** - UNDP/FAO/BGD/89/039 .
- x. Worked as **FAO Short-term Consultant** (1.5 man-months during January to April, 1993) for conducting **GWIS (Global Water Information System)** Questionnaire Survey on Land and Water use for Irrigated Agriculture and Rural Development in Bangladesh and prepared a report for AGLW, FAO, Rome.
- xi. Worked as **FAO National Consultant on Watershed Management** for UNDP/FAO Project **Development of Professional Education in Forestry Sector - BGD/85/011** under the Ministry of Environment & Forest GOB from 15th June to 14th December, 1991.
- xii. Worked as **Short-term Consultant** of Economic Development Foundation (Manila) for conducting Case Study on Water Resources Sector in Bangladesh for SIETAB-UNDP Project BGD/88/018 (May - June, '90) and prepared two (2) case study reports.
- xiii. Worked as **Hydro-geologist** (Part-time) of CHAR Consulting Ltd. for Monitoring and Evaluation of Groundwater used for irrigation in Tangail District. TRDP/GTZ Project, Bangladesh Rural Development Board (BRDB), Govt. of Bangladesh (1990-1991).

## **17. Other Professional Experiences**

### **Professional Works Performed at National & International Level:**

- i. Worked as Expert Member in the Technical Co-ordination Committee of Master Plan Organization (MPO) of the Ministry of Irrigation, Water Develop. and Flood Control, Govt. of Bangladesh (1986 -88).
- ii. Worked as Expert Member in the Technical Committee of Bangladesh Agril. Research Council for Groundwater Situation Analysis in the Agro-ecological Zones of Bangladesh (1990-91).
- iii. Worked as a Member in the National Committee on Bangladesh Irrigation Water Management constituted by Bangladesh Agricultural Research Council, Dhaka (1990-91).
- iv. Worked as external reviewer of reports of Irrigation Engineering discipline of Rural Development Academy, Bogra and resource person of training programs in water management conducted by RDA/DAE under the sponsorship of FAO.

- v. Worked as a reviewer of research projects and annual research plans undertaken by the Division of Irrigation & Water Management of Bangladesh Agricultural Research Institute (BARI), Gazipur.
- vi. Worked as a Guest Lecturer on "Groundwater Condition in Bangladesh" for the Pump Awareness Course organized by Bangladesh Agricultural Research Council, Dhaka.
- vii. Worked as Guest Lecturer on "Groundwater Modelling" for the Groundwater Investigation Course jointly organized by BARC and Utah State University, U.S.A.
- viii. Worked as Guest Lecturer on "Groundwater Development", "Irrigation and Water Management" and "Drainage" for various training courses organized by the Graduate Training Institute (GTI) of BAU.
- ix. Worked as a Guest Lecturer on "Groundwater Management" for the Regional Training Course on "Water Management for Rice Production" organized by BARC.
- x. Worked as Guest Speaker on "Groundwater Abstraction and Utilization for Agricultural Development in Bangladesh" at Bangladesh Rice Research Institute, Joydebpur, Gazipur.
- xi. Worked as Guest Speaker on "Sustainable development of Groundwater for Irrigation purposes and its Monitoring in Bangladesh" for Training Course on Irrigation & Water Managt. and Farm Mechanization for Agric. Engineers, Dept. of Agricultural Extension.
- xii. Worked as Resource Speaker for Training Course on Operation, maintenance and performance test of deep tubewell turbine and submersible pumps organized by the Inst. of Engineers, Bangladesh held in Dhaka from 25 to 31 July, 1999.
- xiii. Worked as General Secretary of Bangladesh Association for Advancement of Science (BAAS) Local Chapter - Mymensingh for the years 1990 - 1991.
- xiv. Worked as a member of the Sub-committee of International Water Resources Association (IWRA) Distinguished Lecture Award 1996-97.
- xv. Worked as a Member of Examination Committee of the Institution of Engineers, Bangladesh, 1998 - 2001.
- xvi. Working as a Member for evaluating research projects of Agricultural Sciences discipline of the University Grants Commission, Ministry of Education, GOB.
- xvii. Worked as a Member of the International Scientific Advisory Committee of the International Seminar on Watershed Development organized by the Association of Hydrologists of India, held at Andhra University, India from 16 – 18 October, 2003.
- xviii. Working as a Member of Editorial Board of the Journal of Applied Hydrology published by the Association of Hydrologists of India, Andhra University, Visakhapatnam, India

### **Professional & Administrative Works Performed at BAU :**

- i. Worked as a Member in the Editorial Board of the “Progressive Agriculturist” Journal and the Bangladesh Journal of Agricultural Engineering published from BAU.
- ii. Worked as Expert member and Convenor of different technical committees constituted by the University in relation to:
  - a. Sinking and installation of deep tubewells and hand tubewells for drinking water supply at the campus.
  - b. Development of water distribution and drainage system in the BAU campus.
- iii. Worked as Convenor/ Chairman of Technical Committees constituted by the university for supervising construction of civil and electrical works.
- iv. Worked as Vice –President of BAU Mosque and Idgah Committee for two terms.
- v. Worked as Expert Member of selection committee for appointment of Professor, Assoc. Professor , Asstt. Professor and Lecturer in the Dept. of Irrigation & Water Management.
- vi. Worked as Chairman for reviewing the selection of Class III employees as officer through personal elevation.
- vii. Worked as Chairman for reviewing the present salary and status of lecturers and to recommend for future action.
- viii. Working as Chairman for reviewing the GOB Audit comments regarding accounts and financial management of different sections/departments of the university.
- ix. Working as a Member of the committee for reviewing salary discrimination of teachers, officers and employees of the university.
- x. Working as member of many inquiry committees constituted by the University in order to help the administration for better functioning and management of BAU.

### **18. Participation in Seminar/Conference/Workshop**

- i. Attended the First Scientific General Assembly of the International Association of Hydrological Sciences (IAHS) held at Exeter, U.K., 19-30 July, 1982 to present a research paper and a poster paper on Groundwater.
- ii. Participated at the Workshop on "Improved Distribution System for Minor Irrigation in Bangladesh" sponsored by BARC, which was held in Dhaka on 8 - 9 July, 1984.
- iii. Attended the 4th Congress of Asian and Pacific Regional Division of the International Assoc. for Hydraulic Research (IAHR) held at Chiang Mai, Thailand, 11-13 September, 1984 and presented two research papers on Groundwater.
- iv. Attended the 2nd Workshop on National Water Plan organized by MPO as an Expert to discuss on "Problems and Prospect of Groundwater Development in Bangladesh", Dhaka, 7-10 October, 1984.
- v. Attended the International Seminar on "Methodologies to Evaluate the Performance of Irrigation System" organized by BARC, which was held at Dhaka, 26-27 June, 1985.
- vi. Attended the National Workshop on "Environmental Aspects of Agricultural Development in Bangladesh" to present paper which was organized by the Bangladesh Centre for Advanced Studies and the Ford Foundation, BARD, Comilla, 12-15 July, 1986.
- vii. Attended the Workshop on "Applied Research for Increasing Irrigation Effectiveness and Crop Production" organized by IRRI & BRRI, which was held at BARC building, 9-10 August, 1986.

- viii. Attended the Regional Conference on "Flood and Erosion" organized by IEB & FEISCA held at IEB HQ, Dhaka, 7-10 September, 1986.
- ix. Attended the Regional Workshop on "Groundwater Modelling" organized by UNESCO to present paper at Roorkee University, India, December 12-17, 1986.
- x. Attended the International Seminar on "Bangladesh Floods: Regional and Global Environmental Perspectives" to present paper which was held at the President's Secretariat, Dhaka, 4 - 6 March, 1989.
- xi. Attended the International Conference on "Groundwater Resources Management" held at AIT, Bangkok, 5-7 November, 1990 to present a paper.
- xii. Attended the International Workshop on "Soil and Water Engineering for Paddy Field Management" held at AIT, Bangkok, 28-30 Jan. 1992 to present a paper.
- xiii. Attended the International Training Workshop on "Environmental Impact Assessment" and presented a paper which was organized by German National Committee for IHP/OHP and held at AIT, Bangkok, 17 - 21 February, 1997.
- xiv. Worked as Resource Person at the National Workshop on "Participatory Approaches to Integrated Watershed Management in Bangladesh" organized jointly by the Forest Department, Govt. of Bangladesh and FAO, Bangladesh Forest Academy, 1 - 5 July, 1997.
- xv. Worked as Resource Speaker at the National Workshop on "Indigenous Technology Knowledge in Watershed Management in Bangladesh" organized jointly by the Forest Department and FAO, Bangladesh Forest Academy, Chittagong, 30 Nov. – 3 Dec., 1997.
- xvi. Attended the Users' Conference of the Surface Water Modelling Centre (SWMC) held at LGED Auditorium, Agargaon, Dhaka on 11 July, 1998.
- xvii. Attended the National Seminar on **Participatory Watershed Management for Policy Makers** as a Resource Person for presenting a paper that was held at Banobhaban, Forest Department, Mohakhali, Dhaka on 14 September, 1998.
- xviii. Attended the Asian Education Institutions Regional Workshop on **Participatory Watershed Management Curricula** to present country report which was organized by PWMTA/ FAO, Best Western Hotel, Islamabad, Pakistan, 19 - 23 Nov., 1998.
- xix. Attended the National Seminar on **RDA Developed Low-cost DTW Technology for Multipurpose Uses** for presentation of review comments on the report and also worked as Chairperson in the plenary session of the seminar which was held at Rural Development Academy, Bogra, 19 October, 2000.
- xx. Attended the National Workshop on **Safe Drinking Water Supply through RDA Developed Low-cost Deep Tubewell** held at RDA, Bogra in 19-20 Sept., 2001 and presented review comments on the main report.

- xxi. Attended the National Seminar on **Mitigating Arsenic problem through RDA developed low-cost multipurpose DTWs** held at CIRDAP Auditorium, Dhaka in 10 September, 2003 and worked as a discussant on the topic.
- xxii. Attended the International Seminar on Watershed Development held at Andhra University, Visakhapatnam, India from 16 – 18 October, 2003 for presentation of a paper and also worked as Co-Chairperson in a Technical Session on Drinking Water Supply in SAARC countries.
- xxiii. Attended the 3<sup>rd</sup> South Asia Water Forum General Assembly of the Global Water Partnership – South Asia held at Pan pacific Sonargoan Hotel, Dhaka, 13 – 15 July, 2004.

**19. List of Published Research Works : ( Attached in separate pages 10 -19)**

- i. Published Research Papers in standard Journals ( Home & Abroad ): **55**
- ii. Author of Book: **1 ( one )** published by IFES, CU & FAO
- iii. Published Technical Articles in Bulletins and Newspapers: **14**
- iv. Research Reports, Dissertation and Consultancy Reports: **43**

( **Dr. Lutfor Rahman Khan** )