

**CURRICULUM VITAE OF  
PROFESSOR DR MOHAMMAD AL-FORKAN  
DEPARTMENT OF GENETIC ENGINEERING AND BIOTECHNOLOGY  
UNIVERSITY OF CHITTAGONG  
BANGLADESH**

**Dr Mohammad Al-Forkan**, Professor and Founder Chairman, Department of Genetic Engineering and Biotechnology, University of Chittagong, Chittagong-4331, Bangladesh.

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**Date of Birth: 12 December, 1968 ;      Nationality: Bangladeshi by Birth**

**Education:**

**UNIVERSITY OF ALBERTA, CANADA (2009-2010)**. Post-doctoral research on “Genetic Engineering of oilseed crops (canola and flax) for nutraceutical and industrial uses”. Sponsored by the Islamic Development Bank (IDB), Jeddah, Saudi Arabia.

**UNIVERSITY OF NOTTINGHAM, UNITED KINGDOM (1997-2001)**. Awarded the Doctor of Philosophy in Genetic Engineering (Plant Science), [Title of PhD thesis: *Agrobacterium-Mediated Transformation of Indica Rice (Oryza sativa L.)*]. Sponsored by the Islamic Development Bank (IDB), Jeddah, Saudi Arabia.

**UNIVERSITY OF CHITTAGONG, BANGLADESH (1988-1989)**. Awarded the Master of Science Degree in Botany (Thesis Group, with Professor Dr Quazi Abdul Baset, Plant Physiology) and obtained **First Class**.

**UNIVERSITY OF CHITTAGONG, BANGLADESH (1985-1988)**. Awarded the Bachelor of Science Degree in Botany and obtained **First Class**.

**BOARD OF INTERMEDIATE AND SECONDARY EDUCATION COMILLA, BANGLADESH (1983-1985)**. Awarded Higher Secondary Certificate in Science Group and obtained **First Division**.

**BOARD OF INTERMEDIATE AND SECONDARY EDUCATION COMILLA, BANGLADESH (1983)**. Awarded Secondary School Certificate in Science Group and obtained **First Division**.

**Awards:**

1. Islamic Development Bank (IDB) Merit Scholarship (1997), Jeddah, Saudi Arabia for Ph D.
2. Islamic Development Bank (IDB) Merit Scholarship/Fellowship (2008), Jeddah, Saudi Arabia for Post-Doctoral Research.

## **Professional Experiences:**

**Visiting Scientist**, Alberta Research Council, Vegreville, Canada (Sept.2009-Feb.2010).

**Professor**, Department of Genetic Engineering and Biotechnology, University of Chittagong, Bangladesh, 13 February 2009 – Till Now.

**Founder Chairman and Professor**, Department of Genetic Engineering and Biotechnology, University of Chittagong, Bangladesh, October 2004 - 12 February 2009.

**Professor**, Department of Botany, University of Chittagong, Bangladesh, 25 January 2006 to 12 February 2006.

**Associate Professor**, Department of Botany, University of Chittagong, Bangladesh, 2002- 24 January 2006.

**Assistant Professor**, Department of Botany, University of Chittagong, Bangladesh, 1996-2002.

**Lecturer**, Department of Botany, University of Chittagong, Bangladesh, 1993-1996.

## **Research Experiences:**

I have expertise in the following areas of Genetic Engineering and Biotechnology:

Tissue culture, Cell Suspension Culture, Protoplast Culture, Biolistics/Microprojectile Bombardment-Mediated Gene Transformation, *Agrobacterium*-Mediated Gene Transformation, Sonication, Electrofusion, Protein analysis, GUS-fluorometric analysis, ELISA, Cryopreservation, Artificial Seed Encapsulation Method, Nurse Culture Technique, GISH, FISH, TTC and TBA analysis, Chromosome analysis, Southern, Northern, Western blotting, PCR, RT-PCR, RAPD, qRT-PCR, Vector Construction, Gene Cloning and subcloning, Genomewalking, Microarrays .

## **Scientific Seminar, Symposium and Conference:**

Attended in three International Conferences in abroad (UK and Canada) and many scientific seminars, symposia and conferences at home.

## **Editor and Reviewer:**

1. Editor of Chittagong University Journal of Biological Sciences
2. Reviewer of African Journal of Biotechnology

## **Administrative Assignments:**

**Founder Chairman**: Department of Genetic Engineering and Biotechnology, University of Chittagong, Bangladesh, November 2004- February 2009.

**Provost**: Shamsun Nahar Hall, University of Chittagong, Bangladesh (3 April' 2004-8 April' 2006).

**House Tutor**: Sowhroarddi Hall (1993-19996), Shah Amanat Hall (2001-2004). Chittagong University, Bangladesh.

**Member of Professional Societies:**

1. Life Member of Bangladesh Botanical Society
2. Life Member of Association for Plant Tissue Culture and Biotechnology (Bangladesh).
3. Life Member of Association for Biotechnology of Bangladesh.
4. Society for Experimental Biology and Medicine (USA).

**Number of Publications:**

At Home (Local): 10 (Published)

In Abroad (Foreign): 9 (Published)

Total Publications: 19

**Master's and M. Phil. Theses Supervised:**

Master's : 4 students

M. Phil. : 5 students

Ph.D : 1 student

**(Dr Mohammad Al-Forkan)**

**Professor**

**Department of Genetic Engineering and Biotechnology**

**University of Chittagong**

**Bangladesh**