

# *Curriculum Vitae of* **Khokon Kumar Dutta, Ph.D**

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## **ADDRESS**

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## **Residence:**

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Gopalganj, Bangladesh.

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## **PERSONAL INFORMATION:**

**Nationality: Bangladeshi**

Date of Birth: 01/01/1975

Religion: Lutheran (Christian)

Blood group: A (+)

## **PLACES LIVED (OUTSIDE BANGLADESH)**

Japan

United States of America (USA)

Taiwan (Republic of China)

Denmark

## **PROFESSIONAL EXPERIENCES**

### **Chairman (8<sup>th</sup> June 2021 – Present)**

Department of Biochemistry and Molecular Biology

Bangabandhu Sheikh Mujibur Rahman Science and Technology  
University, Gopalganj, Bangladesh

### **Professor (Assistant) (22<sup>nd</sup> April 2018 – Present)**

Department: Biochemistry and Molecular Biology

Bangabandhu Sheikh Mujibur Rahman Science and Technology  
University, Gopalganj, Bangladesh

### **Proctor (Assistant) (September 2018-March 2020)**

Bangabandhu Sheikh Mujibur Rahman Science and Technology  
University, Gopalganj, Bangladesh

### **Postdoctoral fellow (September, 2010 to December, 2010)**

National Cancer Research Institute, Taiwan (Republic of China)

### **Research Associate (April 2008 to May 2009)**

Indiana University, Bloomington, USA

### **Researcher (March 2003 to March 2007)**

Kyoto University, Kyoto, Japan

Teaching Assistant (One year)

**Kyoto University, Kyoto, Japan**

### **Researcher (October 2002 to March 2003)**

Institute for Virus Research  
Kyoto University, Kyoto, Japan

**Research Assistant, Senior Research Assistant  
and Research Officer (April 2000- July2002)**

Immunology Laboratory  
ICDDR, B, Dhaka, Bangladesh

## **SCHOLASTIC BACKGROUND**

**Doctor of Philosophy (Ph.D) (2003- 2007)**

Major: Pathology and Biology of Diseases

Minor areas: Medicinal Chemistry, Radiation Oncology and Virology

School of Medicine, Kyoto University (Japan)

Doctoral Dissertation: Two distinct mechanisms for loss of thioredoxin- binding protein-2 (TBP-2/TXNIP/VDUP1) in oxidative stress-induced renal carcinogenesis.

**Masters of Science (M.Sc.) (July 1998- June 2000)**

Major: Biochemistry and Molecular Biology

Dhaka University, Bangladesh (First Class)

**Thesis:** Involvement of different inflammatory cells at the mucosa surface in diarrhea caused by Vibrio cholera and enterotoxigenic Escherichia coli. [all of the research works were done at ICDDR B in between 1998 and 2000]

**Bachelor of Science (Hons.) (B.Sc) (June 1994- May 1998)**

Major: Biochemistry and Molecular Biology

Minor: Mathematics and Physics

Dhaka University, Bangladesh (First class)

## **PUBLICATIONS**

**21.** Mohammad Asaduzzaman, AsminiShobnam, Md. Farukuzzaman, Abdul Gaffar, Farha Matin Juliana, Tanima Sharker, **Khokon Kumar Dutta**, Mohammad Jahirul Islam. Assessment of Red Blood Cell Indices, White Blood Cells, Platelet Indices and Procalcitonin of Chronic Kidney Disease Patients under Hemodialysis.

International Journal of Health Sciences and Research. 2018 August; 8: 98-109.

**20.** Mohammad Asaduzzaman, Md. Mahbub Ullah, Sayed Md. Redwan, Md. Jahangir Alam, Farha Matin Juliana, Nazmul Hossain, Biswajit Das, Runa Asma, Manoj Mandal and **Khokon Kumar Dutta**. Emergence of Meropenem Resistance in Pathogens Recovered From Urine Cultures in Bangladesh. Journal of Pharmacy and Biological Sciences. 2018 May-June; 13: 41-47.

**19.** **K. K. Dutta**, S. J. Shivakumar, T. Nguyen, C. Liu, E. Vithana, J. A. Bonanno. Cloning and Characterization of the Borate Transporter SLC4A11 in Bovine Corneal Endothelial Cells. Investigative Ophthalmology & Visual Sciences. 2009 April; 50: 1797

**18.** S. S. Jalimarada; **K. K. Dutta**; E. N. Vithana; J. A. Bonanno. Expression of the Borate Transporter NaBC1 (SLC4A11) in Bovine Corneal Endothelial Cells (BCEC). Investigative Ophthalmology & Visual Sciences. 2009 April; 50: 1801.

**16.** **Dutta KK**, Zhong Y, Liu YT, Yamada T, Akatsuka S, Hu Q, Yoshihara M, Ohara H, Takehashi M, Shinohara T, Masutani H, Onuki J, Toyokuni S. Association of microRNA-34a overexpression with proliferation is cell type-dependent. Cancer Science. 2007 Dec; 98(12):1845-52.

**15.** Liu YT, Shang D, Akatsuka S, Ohara H, **Dutta KK**, Mizushima K, Naito Y, Yoshikawa T, Izumiya M, Abe K, Nakagama H, Noguchi N, Toyokuni S. Chronic oxidative stress causes amplification and overexpression of ptpbz1 protein tyrosine phosphatase to activate beta-catenin pathway. American Journal of Pathology. 2007 Dec; 171(6):1978-88.

**14.** Shinya Toyokuni, **K. K. Dutta**. Shinya Akatsuka. Novel approach for elucidation of iron-induced carcinogenesis: Oxygenomics and micro-RNA. American Journal of Hematology. 2007 June; 82 (6): 512

**13.** Janice Onuki, Yu-Ting Liu, Wen-Hua Lee, Li Jiang, **Khokon K Dutta**, Yi Zhong, Shinya Akatsuka, Shinya Toyokuni. ANALYSIS OF

TARGET GENES ON CHROMOSOME 8 IN Fe-NTA-INDUCED RAT RENAL CELL CARCINOMA. International Union of Biochemistry and Molecular Biology.2007

**12.**Li Jiang<sup>1</sup>, Yi Zhong, Shinya Akatsuka, Yu-Ting Liu, **Khokon Kumar Dutta**, Wen-Hua Lee, Janice Onuki, Ken-ichi Masumura, Takehiko Nohmi, Shinya Toyokuni. Deletion and single nucleotide substitution at G:C in the kidney of gpt delta transgenic mice after ferric nitrilotriacetate treatment. Cancer Science. 2006 Nov; 97(11):1159-67

**11.**Akatsuka S, Aung TT, **Dutta KK**, Jiang L, Lee WH, Liu YT, Onuki J, Shirase T, Yamasaki K, Ochi H, Naito Y, Yoshikawa T, Kasai H, Tominaga Y, Sakumi K, Nakabeppu Y, Kawai Y, Uchida K, Yamasaki A, Tsuruyama T, Yamada Y, Toyokuni S. Contrasting genome-wide distribution of 8-hydroxyguanine and acrolein-modified adenine during oxidative stress-induced renal carcinogenesis. American Journal of Pathology. 2006 Oct;169(4):1328-42.

**10.**Lee WH, Akatsuka S, Shirase T, **Dutta KK**, Jiang L, Liu YT, Onuki J, Yamada Y, Okawa K, Wada Y, Watanabe A, Kohro T, Noguchi N, Toyokuni S. Alpha-tocopherol induces calnexin in renal tubular cells: another protective mechanism against free radical-induced cellular damage. Arch BiochemBiophys. 2006 Sep 15;453(2):168-78.

**9.Distribution of oxidative DNA lesions across the entire genome. International Congress of Biochemistry and Molecular Biology and FAOBMB Congress. 2006**

**8.Involvement of aminoacylase 1 in ferric nitrilotriacetate (Fe-NTA)-induced rat renal cell carcinoma**

**7.****Dutta KK**, Nishinaka Y, Masutani H, Akatsuka S, Aung TT, Shirase T, Lee WH, Yamada Y, Hiai H, Yodoi J, Toyokuni S. Two distinct mechanisms for loss of thioredoxin-binding protein-2 in oxidative stress-induced renal carcinogenesis. Lab Invest. 2005 Jun;85(6):798-807.

**6.Characteristics of Oxidative Damage Localization in the Genome DNA. HUGO. 2005.**

5. Shinya Toyokuni, Shinya Akatsuka, T T Aung, **K K Dutta**. Free radical-induced carcinogenesis: Target genes and fragile genome sites. Free Radical Research. 2005

4. Qadri F, Bhuiyan TR, **Dutta KK**, Raqib R, Alam MS, Alam NH, Svennerholm AM, Mathan MM. Acute dehydrating disease caused by Vibrio cholerae serogroups O1 and O139 induce increases in innate cells and inflammatory mediators at the mucosal surface of the gut. Gut. 2004 Jan;53(1):62-9.

3. Toyokuni S and **Dutta K K**. Rattus norvegicus vdup1 gene, 5'UTR, strain: Wistar/Fischer-344. Genbank. 2004 August.

2. Shinya Toyokuni and **K K Dutta**. Rattus norvegicus vdup1 gene, 5'UTR, strain: Brown-Norway. Genbank. 2004 August.

1. Firdausi Qadri, Tanvir Ahmed, Firoz Ahmed, R. Bradley Sack, David A. Sack, Ann Mari Svennerholm, Yasmin Ara Begum, Nargis Akter, Khuzista Akhter, Perveen Begum, Razia Begum, Taufiqur Rahman, **Khokon Kumar Dutta**, Delowar Hossain, Prodip Chandra Das, Lutfur Rahman. Safety and immunogenicity of an oral, inactivated enterotoxigenic Escherichia coli plus cholera toxin B subunit vaccine in Bangladeshi children 18-36 months of age. Vaccine. 2003 June; 21: 2394-2403.



