

CV of Dr. M Shamsheer Ahmed

MBBS, M Phil (Immunology)



I. PERSONAL DATA

- **Name** : MUHAMMAD SHAMSHER AHMED
- **Date of Birth** : October 13, 1975
- **Nationality** : Bangladeshi
- **Address (Office)** : Assistant Professor
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II. EDUCATION

■ Master of Philosophy (M Phil) in Immunology

Date of completion: January 2006

Institution: Bangladesh Institute of Research and Rehabilitation in Diabetes, Endocrine and Metabolic Disorders (BIRDEM), Dhaka, Bangladesh

University: University of Dhaka, Bangladesh

Course duration: Two years

Subjects studied: (i) Biostatistics, Research Methodology & Elementary Biochemistry (ii) Basic Immunology (iii) Clinical Immunology (iv) Molecular Biology (v) Microbiology (iv) Biochemistry

■ Bachelor of Medicine and Surgery (MBBS)

Date of completion: January 2001

Institution: Sylhet MAG Osmani Medical College, Bangladesh

University: University of Chittagong, Bangladesh

Course duration: Five years

Subjects studied: (i) Anatomy with Histology (ii) Physiology & Biochemistry (iii) Pharmacology (iv) Forensic Medicine (v) Pathology & Microbiology (vi) Community Medicine (vii) Medicine (viii) Surgery (ix) Obstetrics & Gynaecology

III. LANGUAGES

- Bengali mother tongue
- Full working knowledge (written and verbal) in English. (IELTS Band Score 8.0)
- Primary knowledge of communication (Written and verbal) in Arabic.

IV. PROFESSIONAL MEMBERSHIP

- Member: Bangladesh Medical Association (BMA)
- Life Member: Bangladesh Society of Pathologists (BSP)
- Life Member: Bangladesh Society of Medical Microbiologists (BSMM)
- Life Member: Bangladesh Society of Allergy & Immunology (BANSAL)
- Advisor: Sandhani Central Committee (A voluntary organization of Medical students)

V. SUMMARY OF PROFESSIONAL SKILLS AND/OR EXPERTISE

- Research and teaching experience for more than seven years.
- Competent in microbiological (microscopy, microbial culture etc.); Immunological (ELISA, ELISPOT, LIA, Chemiluminescence, MEIA, Fluorescent staining, Lymphocyte culture etc.); and Molecular Biological techniques (Immunoblot, Hybrid Capture, PCR etc.).
- Experienced in immunodiagnosis of medically relevant viral pathogens and especially in diagnosis of tuberculosis.
- Experience of running different voluntary organizations working for blood donation and posthumous eye donation.
- Development and management of Research Projects (including budget preparation and staff supervision)
- Statistical data analysis, documentation and report preparation.

Computer Skills

- Expert in MS Office software such as MS Word, Advance Excel, Access, Power Point and SPSS for Windows and Internet explorer.

VI. TRAINING OBTAINED

- 2 months (60 days) **20th Special Foundation Training for BCS (Health) Cadre Officers** conducted by Academy for Planning and Development, Dhaka, Bangladesh, from 19 April -17 June 2009.
- 4 days **Hospital Preparedness for Emergency Course** conducted by National Society for Earthquake Technology (NSET) – Nepal, under Programme for Enhancement of Emergency Response (PEER), at Dhaka, Bangladesh, on 24-27 November, 2008.
- 4 days **Review Workshop on Development of SOPs on Influenza in Bangladesh** conducted by Institute of Epidemiology, Disease Control and Research (IEDCR), on 24-27 & 31st July, 2008.
- 2 days **Workshop on Diagnosis of Avian Influenza for Microbiologists** conducted by Institute of Epidemiology, Disease Control and Research (IEDCR), on 6-7th February 2008.
- 10 days **Workshop on Data analysis Utilizing Computer** conducted by Bangladesh Medical research Council (BMRC), from 14th to 24th January 2008, under World Health Organization (WHO) Research Programme.
- 28 days **Basic computer training** organized by Pre service education, In Service Training (IST), Directorate General of Health Services (DGHS) and Grameen Star Education Ltd., Dhaka, from 15th April to 11th May, 2007.
- 3 days **Workshop on Research Methodology**, arranged by Bangladesh Medical research Council (BMRC), from 11th to 13th March 2007, at SOMC Conference room.
- 4 days training on **Educational Science and Teaching Methodology** organized by Centre for Medical Education (CME), Dhaka, Bangladesh, from 13th to 16th January, 2007.

VII. SUMMARY OF WORK RELEVANT EXPERIENCE

- Serving as **Assistant Professor** in the Department of Clinical Immunology and Microbiology of National Institute of Kidney Diseases & Urology (NIKDU), Sher-e-Bangla Nagar, Dhaka- 1207, Bangladesh since March 01, 2008.

NIKDU is a Postgraduate Teaching Institute with specialized Hospital. It is providing medical and surgical care for Patients with diseases of kidney and urogenital tract. The Institute is running MD (Nephrology), MD (Paediatric Nephrology) and MS (Urology) courses under University of Dhaka, Bangladesh. Part I of these courses includes 'Microbiology and Immunology' and Part II of these courses includes 'Applied Immunology'. Responsibilities in this institute include Teaching these postgraduate students; Supervising & routine reporting in the Clinical Immunology & Microbiology Laboratory; Carrying out researches & assisting students to accomplish their thesis.

- Served as **Lecturer** (September 07, 2006 to January 18, 2007) and **Assistant Professor** (January 18, 2007 to February 28, 2008) in the Department of Microbiology of Sylhet MAG Osmani Medical College (SOMC), Sylhet, Bangladesh

Sylhet MAG Osmani Medical College is a GMC recognized Medical College of Bangladesh running undergraduate (MBBS) course and 19 postgraduate courses (MD, MS and MPhil) in different disciplines under Shahjalal University of Science & Technology, Sylhet, Bangladesh. Responsibilities in this Medical College include Teaching undergraduate & post-graduate students Microbiology and Immunology; Conducting undergraduate examinations and helping in conduction of post-graduate examinations; Assisting post-graduate students to design and carry out research works for their thesis; Running different research projects; Supervising and routine reporting of Microbiological and Immunological tests; Training post-graduate students for reporting and other laboratory staff for safe and standard practice of sample collection & processing, Conducting seminars on various topics related to Microbiology; Organizing the activities of the Bangladesh National Cadet Core (BNCC), SOMC Platoon as the teacher in charge. Also periodic inspection of different Diagnostic laboratories, Hospitals and Clinics of the Sylhet Metropolitan City and Sylhet Division to assure quality control service, infection control measures and renewal of license as an expert member in the vigilance teams of Divisional Director of Health Services (Sylhet Division) and Civil Surgeon (Sylhet).

- Served as **Medical Officer** in Upazila Health Complex, Beani Bazar, Sylhet, Bangladesh from July 02, 2005 to September 06, 2006.

Beani Bazar UHC was the place where I was first posted after joining the government service. Responsibilities include Providing outdoor, indoor and emergency health care services to the poor people; Supervising and carrying out other health related activities (Immunization, Health education etc.) of the government in that Upazila; Periodic epidemiological reporting about communicable diseases and other diseases of public health importance to the superior authority as medical officer disease control (MO DC).

- Served as **Lecturer** in the Department of Microbiology of Jalalabad Ragib-Rabeya Medical College (JRRMC), Sylhet, Bangladesh from June 12, 2002 to July 15, 2003.

JRRMC is a leading Private Medical College in Bangladesh running MBBS course under Shahjalal University of Science & Technology, Sylhet,. Phase II (3rd and 4th year) of MBBS course includes Microbiology. Immunology is taught as a part of Microbiology,. Responsibilities in this Medical College include teaching 3rd and 4th year MBBS students Microbiology and Immunology.

VIII. PUBLICATIONS/THESIS/REPORTS

Publications:

1. Khatoon M, Chowdhury OA, **Ahmed MS**, Jahan H and Chowdhury AR. *Seroprevalance of Hepatitis A Virus infection in pre-clinical and clinical students of Sylhet MAG Osmani Medical College. Osmani Medical Teachers Association Journal (OMTAJ)*, 2009; 8 (1): (accepted)
2. Hossain MM, Chowdhury OA, Alam MA, Farooqui LE and **Ahmed MS**. Detection of Methicillin-Resistant *Staphylococcus aureus* (MRSA) in Sylhet MAG Osmani Medical College Hospital. *Osmani Medical Teachers Association Journal (OMTAJ)*, 2008; 7 (2): (accepted)
3. **Ahmed MS**, Chowdhury OA, Khatoon M, Kabir F, Jahan H and Chowdhury AR. Seroprevalence of hepatitis virus antibodies in the newly admitted students of Sylhet MAG Osmani Medical College. *Bangladesh Journal of Medical Microbiologists (BJMM)*, 2009; 3 (1): 20-26
4. Chowdhury OA, **Ahmed MS**. Editorial: Re-emergence of Chikungunya virus: Completed Setup and The Danger of Imminent Invasion. *Bangladesh Journal of Medical Microbiologists (BJMM)*, 2008; 2 (1): 1-2.
5. Osul A Chowdhury, **M Shamsheer Ahmed**. Editorial: Fighting Bird Flu Pandemic: Simple Public Health Measures Are the Key. *Jalalabad Medical Journal*, 2008; 5 (1): 3-4.
6. **Ahmed MS**, Chowdhury OA, Hossain MM, Farooqui LE, Review Article: Conventional Methods and Serological Diagnosis of Pulmonary and Extra-Pulmonary Tuberculosis. *Osmani Medical Teachers Association Journal (OMTAJ)*, 2007; 6 (2): 27-31.
7. **M Shamsheer Ahmed**, Rubhana Raqib, Rosy Sultana, SM Mostofa Kamal, Zaur Rahim, Gul Ara Shamima, Protim Sarker, Imranul Haq, Sufi HZ Rahman and M Sawkat Hassan. Serological Diagnosis of Tuberculosis with 38kDa+LAM Antigen: A comparison of IgM, IgG and IgA Antibodies. *Jalalabad Medical Journal*, 2007; 4 (1): 6-10.
8. Sufi HZ Rahman, Nasim Ahmed, Anisur Rahman, MS Arfin, Mahbub Alam, Tareque M Bhuiyan, M Golam Azam, **M Shamsheer Ahmed**, M Sawkat Hassan. Immunoglobulin G response to *Helicobacter pylori* Antigens and Histological Gastritis. Association of vac A and 37 KD Antigen with antral Bacterial Density. *Bangladesh Journal of Pathology*, 2007; 22 (1): 7-13.
9. Mahmood B, Ahmed MU, Mahmood S, **Ahmed MS** and Qaium SMMA. Dengue Virus: A Review. *Osmani Medical Teachers Association Journal (OMTAJ)*, 2002; 1(2): 57-62.
10. **Ahmed MS**, Chowdhury OA, Chowdhury AR, Khatoon M, Kabir F and Jahan H. Vaccination against Hepatitis B virus in newly admitted students in Sylhet MAG Osmani Medical College, Prevalence of Anti-HBs IgG at the time of their admission and Seroconversion after one year of vaccination. (Submitted)

Final reports of the following two research projects under Health, Nutrition & Population Sector Programme (HNPS) of Directorate General of Health Services of Bangladesh, have been submitted for publication and dissemination.

1. *Evaluation of the Role of Fluorescent Microscopy and Immunochromatography for Rapid and Efficient Detection of Malarial Infection.* **Dr. Muhammad Shamsheer Ahmed**, Dr. Lutfe Elahi Farooqui.
2. *Prevalence of IgG Antibody against Measles, Mumps and Rubella in Pre-School, Kindergarten and Primary School Children in Sylhet.* Prof. Osul Ahmed Chowdhury, **Dr. Muhammad Shamsheer Ahmed**.

Recently Completed Research Works:

1. *Seroepidemiology and association of Hepatitis A Virus infection with H pylori in new entrants and final year students of Sylhet MAG Osmani Medical College.* Prof. Osul Ahmed Chowdhury, **Dr. M Shamsheer Ahmed**, Dr. Mohsina Khatoon and Dr. Halima Jahan.

Currently involved in the following four research works:

1. *Isolation, Identification and antibiogram of bacterial pathogens causing Urinary Tract Infection in National Institute of Kidney Diseases and Urology.* Dr. M Shamsheer Ahmed, Dr. Fareha Jesmin Rabbi, Dr. Humayun Kabir.
2. *Serum Testosterone Level in Patients with Chronic Kidney Diseases in National Institute of Kidney Diseases and Urology.* Dr. M Shamsheer Ahmed, Dr. Fareha Jesmin Rabbi, Dr. Morshed Alam, Dr. Manosh Saha.

Thesis:

My post-graduate Thesis was titled "**Antibody Profiling for the Diagnosis of Tuberculosis: Analysis of Circulating Antibodies in Plasma and in Cultured Lymphocyte Secretion**".

Presentation:

Oral presentation at BCPS Auditorium, Dhaka, on the 4th National conference of Bangladesh Society of allergy and immunology (BANSAL), 3rd scientific session. *Antibody Profiling for the Diagnosis of Tuberculosis: Analysis of Circulating Antibodies in Plasma and in Cultured Lymphocyte Secretion*. February 10, 2007.

Oral presentation in the seminar at the conference room, Sylhet MAG Osmani Medical College. *Re-emergence of Chikungunya virus: Completed setup and the danger of imminent invasion*. September 3, 2007.

Oral presentation in the seminar at lecture Gallery II, Sylhet MAG Osmani Medical College. *Prevention and Control of Avian influenza on the background of a potential threat of pandemic*. February 11, 2008.

Oral presentation in the seminar at National Institute of Kidney Diseases & Urology (NIKDU) auditorium. *Immunological Diagnosis of tuberculosis*. August 14, 2008.

IX. REFERANCES

- **Prof. (Dr.) Osul Ahmed Chowdhury**, MBBS, M Phil, M Sc (UK)
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Muhammad Shamsheer Ahmed