

## Bhuwan Khatri Resume

### **BHUWAN KHATRI**

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### **CAREER OBJECTIVE:**

To pursue a career in **Molecular Microbiology and Immunology** by indulging myself in further studies and research works in these disciplines.

### **ACADEMIC QUALIFICATIONS:**

- ❖ 2008: Passed M.Sc. in Medical Microbiology in *Distinction division* from Central Department of Microbiology, Tribhuvan University, Kathmandu, Nepal.
- ❖ 2006: Passed B.Sc. in Microbiology in *First division* from Trichandra Multiple College, Tribhuvan University, Kathmandu, Nepal.
- ❖ 2002: Passed 10+2 (Biology Group) in *First division* from Tilottama Higher Secondary School, Rupandehi, Nepal.
- ❖ 2000: Passed School Leaving Certificate in *Distinction division* from Paramount Boarding High School, Rupandehi, Nepal.

### **TEACHING EXPERIENCES:**

- ❖ **Golden Gate International College, Kathmandu, Nepal**
  - Lecturer of **Immunology, Medical Microbiology, and Microbial Structure, Physiology, and Genetics** from June 2010 till now
    - **Teaching areas:**
      - For **Undergraduate Students:**
        - ✓ Immunology: Innate immunity; antigen and antibodies; and antigen-antibody reactions
        - ✓ Biochemistry: Microbial Metabolism; Techniques for Biochemical Analysis
      - For **Masters Degree First year Students:**
        - ✓ Molecular Structure and composition of bacterial cell; Bacterial Metabolism; Viruses: Structure, classification, Replication and Viral culture

For **Masters Degree Second year Students:**

- ✓ Systematic Bacteriology: *Escherichia, Salmonella, Shigella, Vibrio, Citrobacter, Enterobacter, Klebsiella, Proteus, Yersinia, Haemophilus, Campylobacter, Helicobacter, Acinetobacter, Bordetella, Pseudomonas, Neisseria, Legionella* etc.
- ✓ Diagnostic Bacteriology: Enteric Fever, Diarrhoeal diseases, Peptic ulcer, Bacterimia, Septicemia and Endocarditis, Ear infection, Eye infection, Oral infection
- Visiting faculty of **Microbial Structure, Physiology, and Genetics** from April 2010 to June 2010
- ❖ **ShiGan International College of Science and Technology, Kathmandu, Nepal**
  - Visiting faculty of **Microbial Structure, Physiology, and Genetics** from April 2010 to till now

**WORK EXPERIENCES:**

- ❖ **First International Conference on Infectious diseases and Nanomedicine-2012 (ICIDN - 2012) December 15-18, 2012, Kathmandu, NEPAL**
  - Member of organizing committee
- ❖ **Reproductive Health Training and Research Center, Kathmandu, Nepal**
  - Member Secretary from February 2010 till now
- ❖ **Kathmandu Model Hospital Pathology Laboratory, Kathmandu, Nepal**
  - Intern Microbiologist from April 2009 to February 2010
- ❖ **Microcosm Publishing Committee**
  - Editor of College Annual Magazine *Microcosm* (2008)

**RESEARCH EXPERIENCES:**

- ❖ **As Principal Investigator:**
  - 2009: **Asymptomatic Bacteriuria in Diabetic and Symptomatic Bacteriuria in Non Diabetic Patients and Multidrug Resistant Pattern of Uropathogens.** Dissertation for Partial Fulfillment of Master's Degree in Microbiology (Medical), Central Department of Microbiology, Tribhuvan University, Kathmandu, Nepal
- ❖ **As Supervisor:**
  - 2011: **Assessment of microbial quality of drinking water distributed by water tankers in Kathmandu valley.** Case study for Partial Fulfillment of Master's Degree in Environmental Science, Department of Environmental Science, Golden Gate International College (Affiliated to Tribhuvan University), Kathmandu, Nepal.

**ON GOING DISSERTATION WORKS**

- 2012: In vitro efficacy of different combinations of Ciprofloxacin, Cefotaxime and Azithromycin against the Nalidixic acid resistant *Salmonella enterica*.

- 2012: Distribution of Panton-Valentine leukocidin (PVL) encoding gene among Methicillin-Sensitive and Methicillin-Resistant *Staphylococcus aureus* from patients visiting Kathmandu Model Hospital, Kathmandu

#### **CURRENT PROJECTS:**

- ❖ Molecular Characterization of MRSA from Community and Hospital Isolates by *mecA*, gene encoding PVL, and SCC*mec* Element Typing
- ❖ Prevalence of *Staphylococcus aureus* among the apparently healthy nasal carriers of Golden Gate International College
- ❖ Study of Polythene degrading activity of *Pseudomonas putida* isolated from Nepalese soil

#### **PUBLICATION:**

- ❖ K Gurung, DR Joshi, RC Poudel, **B Khatri**, and N Adhikari. **Seroprevalence of Hepatitis B and C virus coinfection among HIV/AIDS patients.** NJM 2: 19-25, 2011.
- ❖ **B Khatri**, S Basnyat, A Karki, A Poudel and B Shrestha. **Etiology and antimicrobial susceptibility pattern of bacterial pathogens from urinary tract infection.** Nepal Medical College Journal, 2012 December (Article in press)
- ❖ A Poudel, **B Khatri**, Y Shah, DR Bhatta, and BD Pandey. **The burden of dengue infection in some vulnerable region of Nepal.** Nepal Medical College Journal, 2012 December (Article in press)

#### **AWARDS:**

- ❖ **Gold Medal:** Paramount Higher Secondary School, 2000 A.D. for securing distinction marks in School Leaving Certificate examination.
- ❖ **Scholarship:**
  - Office of the Dean, Institute of Science and Technology, Tribhuvan University; 2006 A.D. for securing higher grade in B. Sc. Microbiology.
  - Office of the Dean, Institute of Science and Technology, Tribhuvan University; 2008 A.D. for securing higher grade in M. Sc. Microbiology.

#### **WORKSHOPS / SEMINARS ATTENDED:**

- ❖ Participated in the "**Training workshop on Bioinformatics**" organized jointly by Microbiological Students Association of Nepal (MISAN) and Central Department of Microbiology, Tribhuvan University held on 12<sup>th</sup>-14<sup>th</sup> June, 2007.
- ❖ Participated in a weeklong training program on "**Research Methodology and Basic Techniques on Molecular Biology**" organized by Central Department of Biotechnology, Tribhuvan University held on 20<sup>th</sup> June, 2010.
- ❖ Participated in a one day seminar Titled "**Teachers Orientation for M. Sc. Microbiology**" organized by Central Department of Microbiology, Tribhuvan University held on 28<sup>th</sup> November, 2010.

- ❖ Participated in the “**Training on Molecular and Immunological Techniques**” organized by Intrepid Nepal held on 17<sup>th</sup> -19<sup>th</sup> October, 2012 (*Lead Instructor: Brain L. Galloway, Massachusetts General Hospital, Harvard Medical School*).

#### **Nepal Health Professional Council (NHPC) Registration:**

- ❖ 2011: Registered to NHPC with license number: A-182 Diag.Med.Micro.

#### **Membership in Professional Organization:**

- ❖ American Society for Microbiology, 2010-present
- ❖ Nepalese Society of Microbiology, 2010-present
- ❖ Nepalese Association of Medical Microbiology, 2011-present

#### **LABORATORY SKILLS:**

- ❖ Handling and Processing of all sorts of clinical specimens for isolation, identification and characterization of microbial pathogens
- ❖ Antimicrobial Susceptibility Assays
- ❖ Molecular Techniques (Polymerase chain reaction, Various Electrophoreses techniques, Isolation and Estimation of DNA and RNA)
- ❖ Serological Techniques (ELISA, Agglutination, Immunodiffusion)

#### **COMPUTER LITERACY:**

- ❖ Proficiency in use of computer including software such as Microsoft Office (MS-Word, MS-Excel, MS-PowerPoint), Internet Explorer, SPSS

#### **OTHER INTERESTS:**

- ❖ Reading books on evolutionary biology, molecular biology, biogenesis, origin of universe, philosophy and fiction; special favorites are books such as “**The Selfish Gene**”, “**The Extended Phenotype**” by Richard Dawkins; “**DNA**” by James Watson; “**A Brief History of Time**” by Stephen Hawking; “**The Blank Slate**” by Steven Pinker.
- ❖ Sports : Football, Table Tennis, and Golf

#### **REFERENCES:**

- ❖ Mr. Binod Lekhak, Assistant Professor, Central Department of Microbiology, Tribhuvan University and Program Head, M. Sc. Microbiology, Golden Gate International College, Battisputali, Kathmandu, Nepal, Tel: 977-01-4331869/ 9849509243, email: binodlekhak9@gmail.com
- ❖ Ms. Basudha Shrestha, Senior Microbiologist, Pathology Department, Kathmandu Model Hospital, Kathmandu, Nepal, Tel: Phone No.977-01-425711/ 9851030594, email: basudha111@hotmail.com