

Muhammad Ferhan

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OBJECTIVE

To secure research position utilizing my education, technical skills and scientific approach

SUMMARY OF QUALIFICATION

- Superlative communication and people skills with team building experience and approach
- Detail oriented and sharp in learning and comprehending new system and methods
- Exceptionally strong at managing time and responsibilities to professionally deal with multitasking and achieve the goals on time with great success

Core Competencies also include:

- ▮ Public Speaking & Presentations
- ▮ Analytical Skills
- ▮ Research Project Management
- ▮ Supervisory Skills
- ▮ Dynamic Interpersonal skills
- ▮ Calibration and Maintenance of Instruments
- ▮ Quality Assurance
- ▮ Research & Development
- ▮ Tech Report writing
- ▮ Team Building
- ▮ Creative Problem Solving

RELATED WORK EXPERIENCE

- PhD Candidate Feb 2011-Up-to-date

CBBP, Faculty of Forestry, University of Toronto, Toronto, ON, Canada

I am working in Centre for Biocomposites and Biomaterials Processing as a PhD student in field of Green Polymer Chemistry / Biomaterial Sciences under the supervision of Profs. Mohini Sain and Ning Yan.

- Research Assistant Jan 2010-Oct 2010

Ryerson University (Department of Chemical Engineering) Toronto, ON, Canada

I am working on microbiological aspects on strain improvement for Butanol production and fermentation. I am also involved in maintenance of lab, ordering of chemicals and instruments, helping graduate students and try to resolve their problems and peer reviewed reviewing of research articles.

- Researcher Sep 2009- Dec 2009

York University (Department of Biology) Toronto, ON, Canada

Joined YU in Fall Term 2009 where I assigned TA-ship to teach a course BIO1010 (3hr-lab demonstration, helping students, invigilation, checking assignments and marking) while research

focus on mammalian cell lines C2C12 and Cos7 cells, transfect cells with DNA, protein extraction and ran western blots in Dr John C. McDermott's Lab.

- Researcher July 2007–Mar 2008
University of Waterloo (Department of Chemical Engineering) Waterloo, ON, Canada
Production and purification of human therapeutic protein hCD83ext from *E. coli*. It's a collaborative research project between three well reputed research organization and US pharmaceutical company Argos Therapeutics. Low Pressure Liquid Chromatography (LPLC) (Pharmacia, GE healthcare) is a form of liquid chromatography used for the separation or purification of proteins / biomolecules from the complex mixtures. GST affinity chromatographic column used to separate the GST moiety from the target protein. GSTrap FF column (GE Healthcare) was used as a suitable GST affinity chromatographic column for conducting on-column cleavage of GST fusion proteins.

- Scientific Officer / Jr. Scientist Feb 2003–May 2007
National Institute for Biotechnology & Genetic Engineering (NIBGE), Faisalabad, Pakistan
Improvement of microbial strains for hyper production of industrial pharmaceutical enzymes, Fermentor studies and to calculate all kinetic & thermodynamic parameters, Research data published in international reputed impact factor journals

- Chemist in QA Department in Pharmaceutics May 2002-Jan 2003
Schazoo Pharmaceutical Industry (Pvt.) Limited Lahore, Pakistan
Worked as Chemist in above-mentioned elite organization

- Research Scholar Mar 2001-Apr 2002
National Centre of Excellence in Molecular Biology (CEMB), University of the Punjab, Lahore, Pakistan
Biodegradation and Phytoremediation of pharmaceutical industrial pollutants by using different analytical, microbial and molecular biological techniques.

COMPUTER SKILLS

Ms Word, Ms Excel, Ms Power Point, Outlook Express and knowledge of Management Information System and Literary & practical knowledge of Networking.

LANGUAGES:

Fluent in English, Urdu, Punjabi

EDUCATION

B.Sc (Chemistry & Biological Sciences), M.Sc (Analytical Chemistry) & M.Phil (Molecular Biology/Biotechnology) Equivalent to Master of Science Degree, Specializing in Molecular Biology, from a Canadian University with High Distinction. Issued by University of Toronto, Comparative Education Service (Foreign Credentials, Canadian Explanations Ref: 24416)

REFERENCES

Provided upon request