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PERSONAL PROFILE

Outstanding record of achievements as Quality Control Manager and Lab Director, strive for quality and applies process and discipline toward optimizing performance. Work accurately, pay attention to details and have a keen interest in chemistry. Show great flexibility to adapt and impressive ability to learn. Emotionally mature; calming with positive temperament, and good communicator. Mastery in analytical methods development and validation in detailed SOP's for QC, R&D labs. **ISO 9001:2000 expertise in support and auditing, in addition to cGMP/GLP.**

PROFESSIONAL EMPLOYMENT

- 8/2008 - present **Executive Academic Assistant / Lecturer, GEORGETOWN UNIVERSITY – Washington, DC**
- Coordinated academic & administrative activities in the chemistry dept. and reported directly to the Chair.
 - Served as Acting Chair during the absence of the Department Chair.
 - Provided academic and administrative support to the Chair, faculty, and students.
 - Maintained statistics on issues related to teaching and student performance and productivity, registration and scholarship / fellowship support. .
 - Worked on academic policies for grad and undergraduate students and course scheduling in addition to preparing all necessary reports to the national professional accrediting agencies.
 - Advised 1st & 2nd year graduate students on academic issues.
 - Taught “Techniques in Chemical Education” CHEM 903 for graduate students.
 - Provided managerial support and oversaw work of physical revision, repairs, instruments purchasing, and maintenance of academic facilities.
 - Supervised 4 separate departmental budgets, numerous research grants and procurement card activity, discretionary funds, and equipment and supply purchases.
- 8/2007 – 8/2008 **Visiting Assistant Professor, Marshall University, Huntington, WV.**
- Taught General Chemistry and labs for Science and Non-science majors.
 - Implemented Good Teaching Practice in the educational process and used the web technologies effectively (BlackBoard / WebCT).
 - Got involved in the Chemistry Dept. activities and helped Graduate Students with their research.
- 6/2005 – 7/2006 **Dean of Academic Affairs, Global University, Beirut**
- Established operational policies, administrative rules & procedures and curriculum to meet National and International Accreditation in Quality Education and Performance Excellence.
 - Represented the University at campus events, in conferences and meeting with external groups and individuals and managed the accreditation processes.
 - Established and chaired a Medical Lab Sciences program.
 - Ensured that all academic programs at the University strived for excellence.
 - Coordinated and managed faculty recruitment.
- 6/1997 – 3/2005 **QC/QA Lab Manager and Analytical Leader, Bayer Crop Science, Institute, WV.**
- Managed the QC/QA function for carbamate insecticides, aromatic chemicals, and chicken feed processes.
 - Responded to the relentless customers demands and ensured smooth operation and uninterrupted service.
 - Managed 30 employees.
 - Developed, improved and validated analytical methods (spectrometric and chromatographic techniques) for lab analysis and On-Line/At-line process control.
 - Managed many projects and established 3 satellite (At-Line) labs for process control.
 - Provided cost effective analytical services for routine, non-routine, and troubleshooting samples

efficiently 24/7.

- Saved > \$1 million on lab cost and improved efficiency to 118%.
- Wrote detailed SOP's under stringent GLP requirements.
- Managed Chemical Hygiene Plan and ensured full compliance with EH&S, OSHA and RCRA standards.
- Achieved superior safety record for zero OSHA recordable injuries in > 3 years.
- Empowered, enhanced technical skills, and cross-trained all staff members and analysts.
- Gave technical seminars to engineers, technicians and operators.
- Participated with the plant leadership team in many strategic projects to maintain the plant production longevity, Global Market competitiveness, and contingency plans development.
- Provided support, expertise and internal auditing for ISO 9001:2000.
- Achieved an outstanding customer service and customer satisfaction.
- Met all objectives and exceeded all expectations for the last 5 years.
- Exhibited proficient leadership in facing challenges, managing change, dealing with crises, and handling additional work loads during merger, acquisition, downsizing and organizational restructuring.

Bioanalytical Chemist, Harvard Medical School & Massachusetts General Hospital, Anesthesia Department, Boston, MA.

4/1987 –
5/1997

- Participated in clinical pharmacology research for burned humans and animals.
- Measured nicotinic receptors in different studies using radiolabeled toxins.
- Measured pharmacokinetically some anesthetics and their metabolites on burned humans and animals plasma and urine samples in different clinical cases using different chromatographic techniques.
- Communicated results to the medical team, assisted in writing scientific papers, seminars, and grants

11/1991 –
4/1994

Medicinal Chemist, Research Consultant, Harvard Medical School, Ctr. for Biochem. & Biophys. Sci. & Med. Boston, MA.

- Participated in drug discovery research for alcoholism treatment.
- Synthesized, purified and characterized a potential drug(s) candidate, flavonoids found in kudzu plant.
- Performed all work under strict cGMP regulations.
- Interacted effectively with a large research team.
- The project was disclosed as “Herbal Treatment for Alcoholism”

9/1986 –
5/1993

Ph.D. Candidate & Research Assistant, Northeastern University, College of Pharmacy, Boston, MA

- Patented a new catalytic hydrogenation methodology for biological sample's preparation prior detection by GC-MS.
- Proved the feasibility of the technique in detecting PAH's & PCB's in biological and organic samples e.g.: DNA, blood, hemoglobin, soil, milk, fish, starches.
- Discovered and identified a new unlisted chemical product.
- Developed analytical methods to detect trace toxicants, carcinogens and contaminants.
- Synthesized standards of DNA adducts / modified nucleobases and performed micro-scale chemical transformation & electrophoric derivatization reactions to detect ultra-trace carcinogens using GC-ECD/FID/ MS, HPLC, FLC, TLC.

EDUCATION

1/1987 –
8/1993

Northeastern University, College of Pharmacy, Boston, MA

Ph.D., Biomedical Sciences / Medicinal & Analytical Chemistry

Thesis: “Chemical Transformation & Derivatization for the Detection of Trace Pollutants in Biological Samples by Gas and liquid Chromatography”;

Advisor: Prof. Roger W. Giese.

9/1984 –
6/1987

Northeastern University, College of Pharmacy, Boston, MA

M.S., Biomedical Sciences / Medicinal Chemistry

Advisor: Prof. Robert Hanson

9/1977 – The Lebanese University, Faculty of Science, Beirut, Lebanon
6/1981 BS, Chemistry

ACADEMIC EXPOSURE

Analytical, bio-analytical, organic, medicinal, inorganic, clinical and biochemistry along with mathematics, physics, statistics, biomedical sciences, and chemical engineering.
Certificate, Handling Radioactive Materials, Harvard Medical School

PATENT & PRIZES

1993 U.S. Patent 5,445,966: "Extractive Hydrogenation for Trace Chemical Analysis"
1992 Travel Grant, Barnett Institute, to attend the ACS National Meeting in SF, CA
1989 Second Prize, Resident's Research Contest, American Society of Anesthesiology
1983 Exceptional Scholarship Award for graduate studies, The Lebanese Government

SOCIETIES

- American Chemical Society
 - Barnett Institute of Chemical Analysis and Materials Sciences, Northeastern University
 - AOAC International
 - American Society for Quality ASQ
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SKILLS

- Self taught ASQ Certified Quality Manager and familiarity with Six Sigma and DMAIC;
- Analytical expertise: GC/MS, ECD, FID, TCD, NPD, P&T, DID, HPLC/MS, UV, ECD, FD, IC, AA, NMR, FTIR, FTNIR, spectrophotometer, Karl Fisher automated titration and wet chemistry, LIMS, and SAP;
- Quality management principals and tools (customer focus, leadership, continual improvement, involvement of people, PDCA, brain storming, Pareto, Ishikawa, causal tree, flow charts, etc.);
- Statistical tools, SQC and SPC;
- Flexibility to adapt and ability to learn;
- Debating / discussing / negotiating, budget control, culture change management, and conflict resolving;
- Languages: French and Arabic;

PUBLICATIONS

- Kresbach, M. Itani, M. Saha, E. J. Rogers, R. Giese, P. Vouros "Trace Detection by Gas Chromatog.- Mass Spec. for Esters and Related Derivatives", J. Chromatogr., 476 : (1989) 423-438.
 - C. Hogue, M.S. Itani, J. Martyn "Resistance to d-Tubocurarine in Lower Motor Neuron Injury", Anesthesiology, 73 : (1990) 703-709.
 - C.W. Hogue, M.S. Itani, J.A.J. Martyn; Abstracts of Scientific Papers, 1991 Annual Meeting, Anesthesiology, V 75, No. 3A, (Sep. 1991), A 801.
 - C.W. Hogue, J.M. Ward, M.S. Itani, J.A.J. Martyn "Tolerance and Upregulation of Acetylcholine Receptors", J. Appl. Physiol., 72(4) : 1326-1331.
 - C.S. Kim, F.J. Arnold, M.S. Itani, J.A.J. Martyn "Decreased Sensitivity to Metocurine During Long-Term Phenytoin Therapy", Anesthesiology, v66, No. 3 : 500-506 (1992)
 - M.S. Itani, R.W. Giese, "Extractive Hydrogenation : a New and Versatile Technique which Broadens the Scope of Gas Chromatography", Analytical Chem., vol. 66, No. 7 : 1189-1197 (April 1, 1994)
 - C. Ibebunju, M. Nosek, M. Itani, J.A.J. Martyn "Mechanism for the Paradoxical resistance of d-Tubocurarine During Immobilization-Induced Muscle Atrophy", The Journal of Pharmacology and Experimental Therapeutics, Vol. 283, No. 2: 443-451 (1997).
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