

Tibor Barcza
Chemical Engineer

EDUCATION AND QUALIFICATION

PhD School

SEPTEMBER 1995 – DECEMBER 1998

- Technical University of Budapest, Faculty of Chemical Technology and Biotechnology, Hungary
Department of Organic Chemistry and Technology

Industrial Organic Chemistry, NMR, HPLC, Computing Techniques, Polar Element Organic Compounds,
Basic Pharmaceutical Processes, Organic Photochemistry

Preparative organic chemical research, organometallic synthesis focusing on pharmaceutical needs.

Instrumental analytics, teaching tasks (HPLC, NMR).

PhD Absolutorium (1998)

Graduate/Undergraduate School

SEPTEMBER 1982 - JULY 1987

- Technical University of Budapest, Faculty of Chemical Technology and Biotechnology, Hungary,
Plastic and Rubber Industry Department
- Veszprém University of Chemical Engineering, Hungary
Chemical Engineering Management

Chemical Engineer – MSc – (1987)

Chemical Engineer – BSc – (1985)

Language skills:

Mother tongue HUNGARIAN

Foreign languages ENGLISH good

GERMAN basic

WORK EXPERIENCE

2018-2019 Development and manufacturing of dietary supplements and cosmetics of premium category.

APRIL 2013 – JUNE 2018

Produkem/Prochem Kft., Vác, Hungary

Head of Research & Development Lab and QA

R&D tasks concerning to the actual pharmaceutical interest (syntheses, upscaling) and productions API (efficacy, recovery) in accordance with the Quality Control (Analytics) applying Shimadzu HPLC, GC, UV-VIS spectrophotometer, Bruker FT-IR, etc. equipment.

Responsibility for Quality Assurance of the company's GMP activity.

NOVEMBER 2006 - AUGUST 2012

Szent István University, Faculty of Veterinary Sciences, Department of Food Hygiene, Budapest, Hungary

Head of Toxicology Laboratory (Analytics)

Support department's research with analysis of products, biological samples, residuum, focusing on GLP and GMP requirements.

- During this employment several invitations (all together 8 months):

Department of Chemistry, Sam Houston State University, Huntsville, Texas, USA

Research Scholar

Participation in the ongoing research program on developing therapeutic agents (formulations) against cyanide intoxication founded by the US Army and NIH. Operating instruments in the lab (HPLC, GC-MS, Spectrophotometer, pH-meter, osmometer).

Supervising, managing students.

Set up a new liposome laboratory; consulting suppliers, purchasing equipment of different kinds, chemicals, in order to bring the laboratory into action for research and education.

Collaboration with experts in preparing liposomes.

JULY 2006 - OCTOBER 2006

Lavet Pharmaceuticals Ltd (Lavet Gyógyszergyártó Kft.), Kistarcsa, Hungary

Head of Quality Control Laboratory (Analytics)

Analysis of raw materials and products according to the requirements of GMP and GLP.

SEPTEMBER 2004 - APRIL 2005

Clinical Pharmacology Laboratory, College of Veterinary Medicine of Auburn University, Alabama, USA

Research Scholar

Analytical research and measurement with Waters HPLC systems supporting the work of the Clinical Pharmacology Laboratory in different studies

Introduction new analytical methods according to the GLP requirements.

JULY 2002 - SEPTEMBER 2004

Prochem/Produkem Kft., Vác, Hungary

Head of Analytical laboratory, R&D Engineer

Leading the team of analytical laboratory (3 technicians) for quality control, applying HPLC, GC, FT-IR, UV-VIS spectrophotometer in accordance with the GMP requirements on the introduction.

Research and development in the field of pharmaceutical chemistry, both in lab and pilot-plant scale with the help of one technician.

OCTOBER 2001 - JULY 2002

P+M Polimer Kémia Kft., Budapest, Hungary

R&D Engineer

Research and development in the field of epoxy resins, organic syntheses.

APRIL 2000 - OCTOBER 2001

G. I. C. Kft., Budapest, Hungary

Technologist

-Managing a team to operate a dedicated equipment for chemical decomposition of components in decontaminating fluid at Paks Atomic Energy Station.

-Running a research on recycling catalyst, containing chromium.

-Collaborating in regenerating zinc metal from industrial dust.

APRIL 1999 - JULY 1999

Medical Pharmacology & Toxicology Dept, Texas A & M University, College Station, Texas, USA

Research Scholar

Hungarian-US scientific collaboration on behalf of NATO in organophosphorus antagonism.

Organic chemical preparative research included instrumental analysis (NMR).

JANUARY 1995 - OCTOBER 1995

Technical University of Budapest, Dept. of Organic Chemical Technology, Hungary

Department Engineer

Organic chemical preparation with heterolytic catalysts, quality and quantity control. Using HPLC and GC equipment.

MARCH 1992 - DECEMBER 1994

Tetra Pak Hungária Rt., Budaörs, Hungary

Quality Control Engineer

Characterization of polyolefines focused on extrusion and lamination properties; testing of paper and aluminum foil packing material for beverage containers; computerization both in processing data and on the production line for on-line quality control. IBM and Macintosh computers were used.

Taking part in the activity aiming the introduction of the ISO 9000 quality management systems (QMS).

DECEMBER 1987 - FEBRUARY 1992

ÉMI - Institute for Quality Control of Building, Budapest, Hungary

Head of Plastics Section

Leading a team of 5 in the quality control of various plastic (polyolefines, PVC, PUR etc.) products used in the construction industry (sheets, tubes and injection molded products).

JULY 1987 - SEPTEMBER 1987

Scandia Kjemiske, Oslo, Norway

IAESTE Trainee

International Association for the Exchange of Students for Technical Experience

Traineeship in the handling of paints, lacquers, resins.