

**Professor Emeritus Stefan Mühlebach, PhD**  
**University of Basel, Switzerland**

**Stefan Mühlebach**, born June 1950 in Switzerland, is a pharmacist by training with an additional education in Pharmacology from the University of Bern (Institute of Pharmacology) as long-time member of Prof. Marcel Bickel's group and an institute affiliation till 2005. His research focus was on persistent and unmetabolizable model compounds to investigate the importance of intracellular binding for the fate of xenobiotics.

The project was supported by a Swiss National Grant and grants from the Federal Office of Environment. A 1<sup>st</sup> Medical Faculty award was given for his thesis (1979), a series of about 20 peer-reviewed publications and a review on "Pharmacokinetics and Ecodisposition of Polyhalogenated Hydrocarbons, Aspects and Concepts" in Drug Metabolism Review served as the base of his habilitation in pharmacology (Venia Docendi 1993) on "lipophilic pollutants as model compounds in pharmacokinetics". In 2006 the publication in Chemosphere on "Kinetic assessment of persistent halogenated xenobiotics in cell culture models, comparison of mono and poly-halogenated compounds" marked the end of a 30 years period in basic research in pharmacology.

Stefan Mühlebach worked almost 25 years as hospital pharmacist, most of the time in in Aarau (Kantonsspital Aarau), an important national tertiary care teaching hospital. He was also Head of the Department of Central Medical Services. His major scientific interest were dedicated to a postgraduate specialization in hospital pharmacy which he introduced in Switzerland in the 90<sup>ties</sup>, coaching and taching the first hospital pharmacists to render them hospital pharmacist specialists.

He directed successfully a total of 11 PhD theses on topics to improve the pharmaceutical services towards patients and the rational use of drugs. This resulted in many peer-reviewed papers on the drug therapy, (pharmaceutical aspects in) of clinical nutrition, central cytotoxic admixture service, antidotal therapies.

Stefan Mühlebach was a co-editor of the first editions of the book "Clinical Pharmacy" (Deutsche Verlagsgesellschaft Stuttgart) which represents the standard educational book for Ms in pharmacy of university students in German speaking countries; the book was also translated in Polish.

Stefan Mühlebach contributed to several editions of the book "Basics in Clinical Nutrition" (Galen Publisher Prague), published under the umbrella of the European Association of parenteral and enteral nutrition (ESPEN) where he served as a teaching faculty member. He became (Assistant) Editorial Member of several journals like Clinical Nutrition, Aktuelle Ernährungsmedizin, European Journal of Hospital Pharmacy.

He was a regular manuscript reviewer in journals of pharmacology, clinical pharmacy and clinical nutrition. He headed the Swiss Association of Hospital Pharmacists and became a honorary member in 2012.

Stefan Mühlebach worked from 2005-2008 with the National Agency for Therapeutic Products (Swissmedic), was head of the pharmacopoeia and of their delegation at EDQM in Strasbourg. With his role in Industry (Vifor Pharma Ltd from 2009-2019 as a regulatory science lead for Non-Biological Complex Drugs (NBCDs) / Nanomedicines he focused on the regulatory challenges with these products and their follow-on versions (similar) and their appropriate use also as the chair of the NBCD Working Group at Lygature in the Netherland.

Almost 20 peer-reviewed papers resulted since 2012. The topic lead to an intense cooperation with the Semmelweis University and their Pharmacy Faculty. Since 2012 four international conferences were organized together with Prof. Imre Klebovich and Prof. Vinod Shah culminating in a scheduled conference in 2020 on "Advances in Pharmaceutical Drug Development, Quality Control and Regulatory Sciences" as a part of the 250 years Semmelweis University celebration.

Most of his peer-reviewed publications are cited in PubMed. Based on 230 articles, several books/book chapter (12), Google Scholar indicates a citation number in total (since 2014) of 2690 (2047), an h-index 23 (18) and an i10 index of 31(29). A total of over 400 oral presentations accumulated over time. Stefan Mühlebach is also a member and Fellow of the Swiss Academia of Pharmaceutical Science, serving as Vice-president from 2009-2018. He holds numerous national and international scientific awards.