

## **Apl.-Prof. Dr. Mona Abdel-Tawab (English)**

### **Curriculum Vitae**

Mona Abdel-Tawab is currently the Deputy Scientific Manager of the Zentrallaboratorium Deutscher Apotheker. She was born in Cairo 1965 and studied pharmacy at the Cairo University, where she obtained her Bachelor B.Sc. (summa cum laude with honor degree) in 1989. Two years later in 1991 she obtained her German pharmacist's license. Following eight years of professional experience in a community pharmacy in Frankfurt am Main she started 1998 her PhD thesis at the J.W. Goethe University of Frankfurt under supervision of Prof. Dr. Schubert-Zsilavec and Prof. Dr. Michael Karas. In 2003 she earned her Ph.D. degree at the J.W. Goethe University in the field of Pharmaceutical Chemistry. Afterwards she joined the Zentrallaboratorium Deutscher Apotheker in 2003, where she worked as Assistant of the Scientific Management and Head of the Research and Development Department. In 2010 she was appointed the Deputy Scientific Management of the Zentrallaboratorium Deutscher Apotheker. In 2013 she obtained her venia legend in Pharmaceutical Chemistry from the J.W. Goethe University of Frankfurt and was assigned the Professor title from the J.W. Goethe University in 2016. Currently she is teaching the 5<sup>th</sup> semester in pharmaceutical pharmacopoeial analysis.

### **Awards**

„Award for Excellence in Pharmaceutical Research“ founded by the German Pharmaceutical Association at the Third European Graduate Student Meeting (EGSM) in Frankfurt am Main in 2001

„Preis für Pharmatechnik“ for the publication „Qualitätssicherung von Ausgangsstoffen – Praxisnahe Sicherstellung in Produktion, Qualitätskontrolle und Distribution von Wirk- und Hilfsstoffen“ founded by the Publisher and Editorial Department of the journal „pharmind“ in 2011.

### **Primary field of research**

Pharmacokinetics and bioavailability of sparingly soluble lipophilic natural and synthetic substances

Development, validation and application of complex bioanalytical methods for herbal ingredients as well as synthetic drugs in the frame of animal studies, clinical studies and various permeability studies

Development and implementation of content as well as purity analysis for synthetic and natural substances as well as peptides and proteins in various dosage forms

Structural elucidation of unknown substances by means of mass spectrometry

Trace and contaminant analysis

Optimization of individualized pharmaceutical preparations

Quality of drugs and active substances

### **Expert activities**

as Editor

Evidence-based Complementary and Alternative Medicine

as Reviewer

*Bioorganic Medicinal Chemistry, British Journal of Pharmacology, Chemical Papers, Clinical Pharmacokinetics, Current Medicinal Chemistry, Diabetes Therapy, Drug Metabolism Disposition, Drugs of Today, European Journal of Pharmaceutical Science, Fitoterapia, Journal of Chromatographic Science, Journal of Herbal Medicine, Journal of Natural Products, Journal of Phytochemistry, Pharmaceutical Biology, Pharmaceutical Research, PLOS ONE, Phytochemical Analysis*

### **Design and delivery of education events**

#### ***for Pharmacists and Pharmaceutical Technical Assistants***

among other things on the topics

Testing of finished products in the pharmacy

Testing of starting materials in the pharmacy

Frequent sources of error in compounding pharmaceutical preparations

Corticosteroidal substances in compounded formulations

Counterfeit drugs

Comparability and substitution of generic drugs and biosimilars

Identity testing in pharmacies

Quality of semisolid preparations and capsules

#### ***for the pharmaceutical industry***

among other things on the topics

Quality assurance of starting materials from non-EU countries

Application of BCS in the pharmaceutical development

Successful development of practical analytical methods

Measures for laboratory optimization