

## Yvan Vander Heyden

Yvan Vander Heyden was born on 21 May 1964 in Ninove, Belgium. He obtained the diplomas of laboratory technician in 1986 (highest distinction), of pharmacist in 1991 at the Vrije Universiteit Brussel - VUB (highest distinction), and a Ph.D. in pharmaceutical sciences in April 1998 at the same university (promoter: D.L. Massart). The topic of his thesis was ‘Ruggedness/robustness testing in method validation’. Since 1998 he was a postdoctoral fellow at the same department, became a guest professor in 2001, an associate professor in 2003 and obtained a full-professor position in April 2004.

At the moment he is heading a research group on chemometrics and separation science at the same University. The mission statement of his group can be described as “*The rational use of new techniques in pharmaceutical analysis*”, where analysis techniques refer both to separation and data-analysis. In separation science, research is performed on chiral separations (definition of separation strategies) by means of different techniques CE, NPLC, RPLC, POSC, SFC and CEC. Further also fingerprint development for herbal extracts and drug impurity profiling are studied. In CEC, the use of monolithic columns for the above applications is examined. In TLC simple methods are developed and validated to assay drugs marketed in Africa, more specifically in Tanzania. A project is also on going to introduce separation techniques in virology. The data analysis aspects of the research also mainly are conducted on separation science data. They comprise, for instance, multivariate calibration aspects on fingerprint data or the construction of predictive Quantitative Structure-Property Relationships.

His publication record contains 14 chapters in books, 290 manuscripts of which about 260 in peer reviewed journals. Till now he had about 45 oral and about 270 poster presentations at national and international congresses and symposia. He is co-promoter of four doctoral theses and, since 2004, promoter of 17 defended Ph.D. theses. At the moment he is supervising the work of 13 doctoral students. He also was a jury member in 41 Ph.D. defences, not only at his own university but also at the Universities of Leuven, Ghent, Liege, Nijmegen (The Netherlands), Amsterdam (The Netherlands), Tarragona (Spain) and Shanghai (China). He is or was member of the Scientific or Organizing Committees of several international congresses (Conferentia

Chemometrica 2005, Drug Analysis 2006, Chemometrics in Analytical Chemistry 2006, HPLC2007, RDPA2007, PBA2008, RDPA2009, DA2010, CAC2010, HTC2012, CAC2012) and of the editorial boards of four journals (Analytica Chimica Acta, Talanta, Journal of Pharmaceutical and Biomedical Analysis and Acta Chromatographica). Since 2006 he also is the editor of the 'Practical Data Handling' column in LC/GC Europe.