

**Name:** ANDREI VALENTIN MEDVEDOVICI



**Date of birth:** November 29<sup>th</sup>, 1961

**Place of birth:** Bucharest

**E-mail:** andrei.medvedovici@chimie.unibuc.ro; avmedved@yahoo.com

**Nationality:** Romanian

**Civil status:** married

**Ph.D. coordinator:** since 2006

### Education:

Date	Earned Degree(s) or Diploma(s) / Institution
1980	Bachelor, Industrial College no. 28, Bucharest.
1984	B.Sc., Polytechnic Institute of Bucharest, Faculty of Chemistry.
1985	M.Sc. in Analytical Chemistry, Polytechnic Institute of Bucharest, Faculty of Chemistry.
1994	Ph.D., University of Bucharest, Faculty of Chemistry (thesis entitled "Analiza prin cromatografie de gaze a combinatiilor complexe", coordinator Prof. Dr. G.E. Baiulescu)

### Professional experience:

Period	Location	Institution / Company	Position	Description
1985 - 1988	Romania, Făgăraș	Research Centre for Technological Engineering	Chemist	Optimisation of technological process, chemistry of explosives
1988 - 1990	Romania, Bucharest	Research Institute Dr. I. Cantacuzino	Researcher	Laboratory for microbiological growth substrates
1990 - 1998	Romania, Bucharest	University of Bucharest, Faculty of Chemistry	Teaching Ass.	Qualitative analytical chemistry, Separation sciences, Trace analysis ( courses held in French and English), Separation methods, Chromatography, Multidimensional and hyphenated chromatographic techniques, Chromatographic methods in medical analysis, Mass spectrometry, Analytical control of active ingredients and pharmaceutical formulations.
1998 - 2000			Lecturer	
2000 - 2005			Assoc. Prof.	
since 2005			Professor	
since 2006			Ph.D. Coord.	
2016-2024			Dean of the Faculty of Chemistry	
1997 - 2000	Romania, Bucharest	SINDAN	QA consultant	Implementation of GMP/GLP
1997 - 2002	Romania, Bucharest	Labormed Pharma	QA consultant	Quality control, validation of analytical methods, qualification of equipments, process validation, bioequivalence
2002 - 2009			R&D manager	
2009 - 2013	Romania, Bucharest	Labormed Group	Scientific Director	Bioanalysis

**Study grants:**

Period	Institution	Position	Description
1991 - 1992	University of Ghent (RUG), Belgium	Ph.D. student	Separation sciences, metal complexes and applications in chromatographic techniques
1994 - 1996	University of Ghent (RUG), Belgium	Post Doc.	HPLC, SFC, GC/MS applications in environmental, food, chiral separation field; Hyphenated techniques

**Language skills:** (1-Excellent; 5-Basic)

Language	Reading	Speaking	Writing
French	1	1	2
English	2	3	2

**Membership of professional bodies:** Romanian Society of Chemistry

**Other affiliations:** 2011-2013 - Member of the National Center of Scientific Research (CNCS), Chemistry Commission; 2011-2014 - Member of the Chemistry and Chemical Engineering commission of CNADTCU; 2016 - 2019 - Member of the Chemistry Commission of CNADTCU; 2011-2015 and 2019-2023 - Member of the Senate of the University of Bucharest.

**Awards:** C.D. Nenitescu award of the Romanian Academy, December 2009; Gh. Spacu award of the Romanian Society of Chemistry, June 2019; Gh. Spacu award for the entire scientific activity from the Romanian Society of Chemistry, September 2024.

**Associate editor:** since 2014 - Journal of Liquid Chromatography & Related Technologies (Taylor & Francis Group, U.S.A.) – ISSN 1082-6076.

**Editorial board member:** Bioanalysis (Future Science Ltd., U.K.) – ISSN 1757-6199.

**Advisory board member for journals:** Journal of Chromatography A, Analytica Chimica Acta, Analytical Chemistry, Food Chemistry, Journal of Chromatography B, Journal of Pharmaceutical and Biomedical Analysis, Analytical Bioanalytical Chemistry, Chemolab, Chromatographia, Drug Research, Analytical Letters, European Journal of Pharmaceutics and Biopharmaceutics, International Journal of Environmental Analytical Chemistry, Journal of Medicinal Plant Research, Scientia Pharmaceutica, Journal of Separation Science, Revue Roumaine de Chimie; Revista de Chimie, Studia Universitatis Chemia UBB.

**Other relevant information:** invited scientist

#	Period	Institution	Domain
1	Aug.-Oct. 1997		On-line SPE /HPLC or SFC
2	Aug.-Oct. 1998	Research Institute for Chromatography,	SFC/SFC/UV
3	Aug.-Oct. 1999	Kortrijk, Belgium	SFE/GC/MS
4	Aug.-Oct. 2000		SFC/MS of polysaccharides
5	Aug.-Oct. 2001		SFC/MS in Pharma applications

**Competence profile:** Separation sciences; Sample preparation (LLE, SPE, SPME, SFE); Chromatographic techniques (HPLC, PC-SFC, CGC); Detection in chromatographic techniques (DAD, FLD, RID, ELSD; MS and MS/MS); Automation in chromatography (on-line SPE/HPLC); Multidimensional/comprehensive chromatography (LC/LC; LC/GC; SFC/LC); Hyphenation in separation techniques (LC/MS-MS, SFC/MS-MS, CGC/MS); Development and validation of separation methods; Qualification of the analytical instrumentation; Application fields: bioanalysis, pharmaceuticals, environmental, food chemistry.

**Participation to projects:**

1. Short term expert for the project „Appui technique du Département de Toxicologie de l'INCC en vue de l'accréditation ISO 17025”, Alger, Algeria, as part of the action EuropeAid/12917/D/SER/DZ.
2. Team member, Project PN-II-ID-PCE-2012-4-0651, period 2012-2015.
3. Team leader, Project PN\_II\_ID\_PCE\_2011\_3\_0152, period 2011-2014, entitled “Large volume injection of diluents non-miscible with the mobile phase in HPLC”.
4. Team manager/Chemistry Section, EPTISA Projectos Internationales S.A., for EU Phare (Europe Aid/115101/D/SV/RO/1 – Strengthening of the institutional and administrative capacity of MoH to adopt and implement the acquis communautaire in the field of water and health related risks”, 2004-2005).
5. Training responsible, subcontract no. 540789, Project Phare RO, 2004/IB/Ag-01, Ministry of Agriculture, 2004.
6. Team member, Leonardo DaVinci Project (“Training Module for Environmental monitoring and pollution control”, RO-02BFPP-141004, coordinator Prof. Dr. A. Danet, Univ. of Bucharest, 2004).
7. Team member, CEEX project 107/09.10.2006 (“Nanostructure azopolymers and their application in microelectronics and biology”, coordinator Prof. Dr. N. Hurduc, Tech. Univ. Gh. Asachi, Iasi).
8. Project manager, contract 927/02.12.2004 between Labormed Pharma and the University of Bucharest.

9. Bioanalytical study director for **75 bioequivalence studies** for generic pharmaceutical products with oral administration at Labormed Pharma, Bucharest, Romania.

**Trainer:** (training sessions having duration between 3 and 5 days, as a single trainer)

#	Beneficiary	Training Title	Date
1	Coca-Cola Romania s.r.l.	New trends in GC	Ian. 2004
2	Coca-Cola Romania s.r.l.	Gas Chromatography – system qualification and method validation	Oct. 2006
3	Regia Apele Romane	Chromatographic methods in water control	Dec. 2007
4	Inspectorate for Public Veterinary Health Bucharest (ISPVB)	Basic aspects in chromatographic techniques. Applications in food quality control.	May 2005
5	Zentiva (Sanofi Aventis) Romania	Chromatographic Methods	Nov. 2010
6	Sindan, Romania	Revisiting liquid chromatography from a highly regulated perspective	Sept. 2013
7.	Swisscaps, Cornu, Romania	Metode cromatografice de separare	July 2014
8.	Regia Apele Romane	Aspecte fundamentale în spectrometria de masă	July 2015
9.	Labormed Pharma - Alvogen	Controlul analitic al formelor farmaceutice cu administrare orală	July 2018

**Publications: ISI indexed: Number - Journal Titles: 147**

Revue Roumaine de Chimie - 16; Biomedical Chromatography - 11; Journal of Liquid Chromatography & Related Tehnology - 13; Journal of Pharmaceutical and Biomedical Chromatography - 10; Analytical Letters - 7; Bioanalysis - 5; Journal of Chromatography A - 5; Journal of Chromatography B - 5; Chemia Analityczna - 4; Expert Opinion in Drug Metabolism and Toxicology - 4; Microchemical Journal - 5; Talanta - 4; Encyclopedia of Analytical Science - 4; High Resolution Chromatography & Chromatography Communications - 3; Journal of Separation Science - 3; Analytical Methods - 2; Annali di Chimica - 2; Journal of Cultural Heritage - 2; Journal of Microcolumn Separations - 2; Water Research - 2; LC-GC Europe - 2; Molecules - 3; Acta Endocrinologica - 1; Advances in Chromatography - 1; Arzneimittel Forschung Drug Research - 1; Catalysis Today - 1; Central European Journal of Chemistry - 1; Chemistry a European Journal - 1; Chirality - 1; Chromatographia -1; Comptes Rendus Chimie - 1; European Journal of Drug Metabolism and Pharmacokinetics -1; European Neuropsychopharmacology - 1; Farmacia -1; Heritage Science - 2; Industria Textila -1; Journal of Applied Toxicology -1; Journal of Catalysis - 1; Journal of Chemical Information and Computer Science - 1; Journal of Chemometrics - 1; Journal of Chromatographic Science - 1; Journal of High Resolution Chromatography - 1; Journal

of Inclusion Phenomena and Macrocyclic Chemistry - 1; New Journal of Chemistry - 1; Nukleonika - 1; Plasma Processes and Polymers - 1; Radiation Physics and Chemistry - 1; Romanian Reports in Physics - 1; Separation Sciences and Technology - 1; Critical Reviews in Food Science and Nutrition - 1; Journal of Food Composition and Analysis - 1; Beverages -1; Science of the total environment - 1; Journal of Physics D - Applied Physics - 1; Polymers for Advanced Technologies - 1; Processes - 1.

**Scientific metrics: ISI publications:** Total number of publications: **147**; Publications: Q1 - 35; Q2 - 42; Q3 - 31; Q4 - 39; Publications as first/correspondence author: **64**; Publications in the red/yellow zone of AIS ranking as first/correspondence author: **34**; Cumulated impact factors of the journals: **264.7** (using *Impact factors* of the year of publication); **417.9** (using *Impact factors 2022*)

**Non-ISI:**

Buletinul Societatii de Chimie din Romania (1); Analele Universitatii Bucuresti (2); Archives of the Medical Balkan Union (1); European Pharmaceutical Review (1); International Environmental Technology (2); Proceedings of the International Symposium of Capillary Chromatography (5); Southern Brazilian Journal of Chemistry (1);

**Total:** 13 (9 in international journals).

**Chapters in books/encyclopedias, published courses**

**Chapters in books/encyclopedias:** **21**; **4** chapters in books (international publishers); **6** chapters in books (national publisher); **10** chapters in international encyclopedias – Encyclopedia of Chromatography (4); Encyclopedia of Separation Science (1); Encyclopedia of Analytical Science (5); Encyclopedia of Endocrinology and Endocrine Diseases (1).

**Published courses:** **5** (University of Bucharest Publishing House).

**Oral presentation/conferences:** **more than 70**; **14** at international events abroad Romania.

**Hirsch indices:** **26** (acc. to Clarivate Analytics - Web of Sciences); **27** (acc. to Scopus); **31** (acc. to Google Scholar); **29** (acc. to Research Gate).

**Citations:** **2640** (total) **2400** (excluding self-citations), acc. to Clarivate Analytics - Web of Sciences; **2870** (total) **2636** (excluding self-citations), acc. to Scopus; **3750** (total), acc. to Google Scholar; **3163** (total), acc. to Research Gate.

September 16<sup>th</sup>, 2025

