

CURRICULUM VITAE

Nume	Badescu
Prenume	Virgil
Ocupatie	Chimist
Pozitia curenta	Analist GC-MS , Cercetator principal I CS I, Martie 2014-prezent Laboratorul Analize, INCDCP-ICECHIM Bucuresti.
Functii anterioare	Sef Laborator Analize (1998 - May 2003) Manager al Laboratorului Analize: Jan. 2009-Feb. 2014.
Experienta profesionala:	
2000-2001	ICECHIM Responsabil proiect RELANSIN 411/2412.1999 -3 faze
2002-2003	ICECHIM Responsabil proiect MENER 16/17.10.2001-2 faze
1996-1997	Responsabil al contractelor de colaborare cu ICF, la doua Granturi ale Academiei Romane 5070/1996, 2613/1997 cu tema "Chimia procesului sol -gel".
Patente:	Nr. 77962/16.07.1981 and nr. 88810/24.10.1985
Publicatii:	13 in jurnale straine si 18 in jurnale romanesti:
	Hydrolysis-condensation of tetraethoxysilane in nonparental solvents studied by GC-MS V. Badescu, M. Radu, M. Zaharescu and A. Vasilescu Journal of Sol-Gel Science and Technology, 2 .43-49 (1994).
	The Influence of Solvent on Hydrolysis and Condensation of Tetraethoxysilane Studied by GC-MS. V. Bădescu, M.Zaharescu, A.Vasilescu, M.Radu Revue Roumaine de Chimie, 41, 733-740, (1996).
	Influence of the Catalyst on the Hydrolysis-Condensation of Tetraethoxysilane Studied by GC-MS. M. Zaharescu, V. Bădescu, A. Vasilescu, M. Radu Revue Roumaine de Chimie, 42, 633-639, (1997).
	Comparative study of sol-gel processes starting with different substituted Si-alcoxides. A. Jitianu, Alina Britschi, C. Deleanu, V. Badescu, Maria Zaharescu Journal of Non-crystalline Solids, 319, Issue 3, 263-279 (2003)
	Contributions to the interpretation of mass spectrum of tetraethoxysilane (TEOS). Part I. The molecular ion.Primary events V. Badescu Revue Roumaine de Chimie, 59 (10), 875-882, (2014).
	Contributions to the interpretation of mass spectrum of tetraethoxysilane (TEOS). Part II. Charge induced reactions. Eliminations of neutral fragments. V. Badescu Revue Roumaine de Chimie, 60(11-12), 1107-1115, (2015).
	Modeling Parameters of Interest in the Sol-Gel Process Adrian Beteringhe, Maria Zaharescu and Virgil Bădescu International Journal of Chemical Modeling, Volume 5 Issue 2-3, pp.319-325,2016

	Polychlorinated Biphenyl Compounds (PCBs) Determination from Water by Gas Chromatography Coupled with Mass Spectrometry (GC-MS). Raluca Senin, Virgil Badescu and Rusandica Stoica Revista de Chimie vol. 67 No. 11, 2016.
Capitole de carti:	
M. Zaharescu, V. Badescu, A. Vasilescu and A. Jitianu, Part 3 Sol-gel oxide materials 3.3. "Contribution to the sol-gel chemistry in silica based systems" pag. 157-164. Included in: "Emerging Fields in Sol-Gel Science and Technology", Proceedings of the "The XI International Materials Research Congress", Cancun, Mexico, Edited by: T.M. Lopez, D. Avnir, and M. Aegerter. Kluwer Academic Publishers, (2003). Advances in Chemical Modeling Volume 5, Mihai V. Putz Editor, 2015 Modeling of some parameters of interest in the sol-gel process, pp 143-150 Adrian Beteringhe, Maria Zaharescu and Virgil Bădescu	
Experienta profesionala:	
	Cercetare analitică aplicativă și teoretică în cromatografie de gaze (GC) și cromatografie de gaze cuplată cu spectrometrie de masă (GC-MS) pentru uleiuri esențiale, fracții petroliere, analize de mediu: impurități organice din ape de râu și industriale, procese sol-gel (interpretare și biblioteci de spectre de masă), biomarkeri în combustibili fosili, aditiv pentru expandarea pastelor de ciment (centrala nucleară Cernavodă). Participare la teste internaționale interlaboratoare (BAM, HOKLAS). Studii analitice pentru terți.
Articole prezentate la manifestari:sciintifice internationale:	
	1. 7-th International Workshop on Glasses and Ceramics from Gels, Paris, 19-23.07,1993. Hydrolysis - Condensation of Tetraethoxysilane in Nonparental Solvents Studied by GC-MS (poster). V. Badescu, M.Radu, M. Zaharescu, A. Vasilescu. 2. European Conference on Analytical Chemistry, EUROANALYSIS IX, Book of Abstracts, MoP110, Bologna, Italy, 1996. GC-MS studies of the molecular species identified in hydrolysis - transesterification - condensation reactions of tetraethoxysilane in nonparental solvent (poster). V. Badescu, M. Radu. 3.International Conference of Physical Chemistry – ROMPHYSICHEM 15, 11-12.09.2013. Workshop 8-Sol-gel science and applications, S8-P06 Modeling of some parameters of interest in the sol-gel process. Adrian Beteringhe, Maria Zaharescu and Virgil Bădescu
Titlu stiintific:	
	Doctor in chimie, specialitatea chimie-fizica, Teza: Reactivitatea alcozilor studiată prin procese ionice în faza gazoasă, Academia Romana, Institutul de Chimie Fizica "IG Murgulescu", 1998
Membru in asociation de prestigiu:	
	Membru fondator al Asociatiei EURACHEM-ROMANIA (2000) Membru fondator al Asociatiei EUROLAB-ROMÂNIA (2005) Membru al Societatii Romane de Chimie Analitica (SCAR) Membru al Societatii Chimice din Romania (SChR)

Ph. D. Virgil Badescu Scientific researcher I CS I
15.05.2017