

CURRICULUM VITAE

1. Nume: IONESCU
2. Prenume: MIHAELA
3. Data și locul nașterii: 27.10.1946, Bucuresti.
4. Cetățenie: roman
5. Stare civilă: casatorita, 2 copii.
6. Studii:

Instituția	UPB, Facultatea Chimie Industrială	UPB, Facultatea Chimie Industrială	UPB, Facultatea Chimie Industrială
Perioada: de la (luna, anul) până la (luna, anul)	oct.1965 – iulie 1969	1981- 1982	06.06.1997
Grade sau diplome obținute	Diploma de inginer	Diploma de absolvire; curs post universitar	Diploma de doctor

7. Titlul științific: **doctor in chimie**

8. Experiența profesională:

Perioada: de la(luna, anul) până la(luna, anul)	1969 - 1974	1974-1990	ianuarie1990 - prezent
Locul:	Serviciul: Cercetari	Sectia: Tehnologie Chimica Organica	Colectiv Biofarmacie si Tehnica Farmaceutica
Instituția:	Intreprinderea Chimica - Dudesti	Institutul de Cercetari Chimice Bucuresti	Centrul de Cercetari Stiintifice Medico-Militare, Bucuresti
Funcția:	Inginer chimist	Cercetator stiintific	Cercetator stiintific I
Descriere:	- Sinteza polipropilenglicolului si polieterilor butilici ; - Proces tehnologic –LIFROM super – 1971; - 2-picolina prin sinteza dien a butadienei cu acetonitril (memoriu de laborator) - 1972; - sinteza piridinei prin hidrodezalchilarea 2-picolinei (memoriu de laborator) – 1973.	- 2-pirolidona (intermediar in sinteza Piracetam) prin amonoliza γ -butirolactonei cu amoniac lichid sau solutie amoiacala (Proces tehnologic pilot, 1976); - Trimetilolpropan, proces tehnologic continuu, instalatie industrială C. C. Rm. Valcea; - Neopentilglicol, proces tehnologic, instalatie pilot C.C.Solventul-Timisoara; - Realizarea unor metode gaz-cromatografice specifice urmaririi	- Aplicarea analizei gaz-cromatografice si HPLC la determinarea substantelor toxice si medicamentelor din probe biologice; - Realizarea unor tehnici la nivel micro de separare a medicamentelor si toxicelor din probe biologice (extractie lichid/lichid si lichid/solid); - Cercetari privind transferul de substante toxice si medicamentoase prin membrane sintetice si piele umana; -Dosar farmaceutic, specificatie tehnica si preparare mostre

		compusului sintetizat in toate fazele de fabricatie.	pentru 3 preparate antidotice: DCPM, CARB-ATOX A / CARB-ATOX B si DECOF 1; -Participare la contracte de cercetare cu Ministerul Cercetarii, Academia de Stiinte Medicale, ICCF si Sicomed
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9. Locul de muncă actual și funcția: CCSMM, CS I.

10. Vechime la locul de muncă actual: 26 ani.

11. Brevete de invenții: 7 brevete.-Anexa 1

12. Lucrări elaborate și / sau publicate: Anexa 2

13. Membru al asociațiilor profesionale:

- membru al Uniunii de Stiinte Medicale Balcanice;
- membru al Societatii Romane de Laborator Clinic.

14. Limbi straine cunoscute: engleza.

15. Alte competențe:

16. Specializări și calificări:

- Curs de HPLC organizat de Agilent Technologies, Bucuresti, 6-12 06.1998
- Liquid chromatography course-Agilent 1100 Series Troubleshooting&Maintenance", Londra, 10-12 07.2001

17. Experiența acumulată (inclusiv experiența managerială) în alte programe/proiecte naționale/internaționale:

1. CNMP: 2007- Programul 4 – Parteneriate in domeniile prioritare:
"Dezvoltarea investigatiei farmacogenomice pentru personalizarea terapiei medicamentoase in boala cardio-cerebro-vasculara" acronimul: FARMACOGENOMCCV, participant, 2007-2010, Coordonator UMF Carol Davila,
2. CNMP 2008 - Programul 4 – Parteneriate in domeniile prioritare „Cercetari privind utilizarea investigatiilor farmacogenomice si farmacocinetice pentru individualizarea terapiei antituberculoase in situatii clinice particulare” - PG-PK-TB, participant.
3. Proiect PN II nr. 42-135/01.10.2008
Titlu Proiect: Criterii biofarmaceutice de optimizare a profilului de siguranta si eficacitate pentru medicamente hidrofobe. HIDROFOB, participant.
4. Proiect PN II nr. 42-163/01.10.2008
Titlu Proiect: Impactul farmacocinetic si clinic al factorilor neuroendocrini in terapia cu antipsihotice atipice, participant.
5. Proiect PN II nr. 42-134/01.10.2008
Titlu Proiect: Studiul factorilor critici in dizolvarea si eliberarea substantelor active greu solubile din formele farmaceutice, participant.
6. CNMP 2008 - Programul 4 – Parteneriate in domeniile prioritare - „Studiul efectelor interactiunilor matricelor biologice cu unele alimente asupra variabilitatii rezultatelor bioanalitice” (BIOMATRIX), participant.

ANEXA 1

1. Oana.M.Leonte, R. Valceanu, S. Katz, **Mihaela Ionescu**, A. Liana Ionescu, I. Oprescu, *Process for the preparation of pyridine and its alkyl derivatives lower*, Patent Nr. 63820/**1976**
 2. Dorina M. R. Sireteanu, J. Herscovici, **Mihaela Ionescu**, *Process for preparing stable, high purity pyrrolidone*, Patent. Nr. 65067/**1977**
 3. T.D.Bota, **Mihaela Ionescu**, M.Georgeta Teusdea, Maura Nigrim Mihaiescu, Liliana Sarbu, T. Stoica, I.M. Sava, D.I.C. Mateescu, I. Enculescu, *Continuous extraction process of trimethylolpropane*, Patent Nr. 86281/**1984**
 4. T.D.Bota, **Mihaela Ionescu**, Maura Nigrim Mihaiescu, I.M. Sava, D.I.C. Mateescu, Aurora PD.N. Fodor, E. Anca, Lucia Sfarloaga, *Installation and purification process of trimethylolpropane*, Patent Nr. 88444/**1985**
 5. **Mihaela Ionescu**, Maura Nigrim Mihaiescu, S. M. Florita, M. Avram, T.D.Bota, I. Gros, Daniela M. Constantin, Corina Florita, *Continuous process of hydroxypivaldehyde synthesis*, Patent Nr. 91878/**1986**
 6. S. M. Florita, I. Gros, **Mihaela Ionescu**, T.D.Bota, Corina Florita, Rosana Maties, I. Havrincea, T.I. Vilics, Maura Nigrim Mihaiescu, Daniela M. Constantin, *Procedure for obtaining neopentylglycol*, Patent Nr.92609/**1987**
 - 7.T.D.Bota, **Mihaela Ionescu**, Maura Nigrim Mihaiescu, I.M. Sava, D.I.C. Mateescu, *Continuous process of trimethylolpropane synthesis*, Patent 101489/**1988**
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ANEXA 2

1. C. MIRCIOIU, V. VOICU, **MIHAELA IONESCU** "Inhibition of the membrane transport of some organophosphorous compounds", Prediction of Percutaneous Penetration, IBC Technical services Ltd., London, vol. 3B, p. 615-620, **1993**
2. V. VOICU, C. MIRCIOIU, MARIANA JINGA, **MIHAELA IONESCU**, XENIA BURCEA "Pharmacokinetics Based Adjustment of Lidocaine Antiarrhythmic Schedule", European Journal of Metabolism and Pharmacokinetics, 19 (1), p. 33- 36, **1994**
3. G. LUPESCU, C. MIRCIOIU, **MIHAELA IONESCU**, G. LUPESCU JR. "Prophylaxis of Ventricular Arrhythmias in Acute Myocardial Infarction by Intramuscular Administration of Lidocaine", Journal of Molecular and Cellular Cardiology, vol. 27, 6, A 206, **1995**
4. **MIHAELA IONESCU**, C. MIRCIOIU, V. VOICU, XENIA BURCEA "Decreasing of the amount of organophosphorous compounds transferred through membranes by adsorptive powders", Farmacia, 5/6, p. 31-38, **1996**;
5. MIHAELA MANOLACHE, **MIHAELA IONESCU** "Metoda de dozare a (Na₂EDTA)₂-din probe biologice", Farmacia, 3, p. 19-28, **1997**
6. V.VOICU, C. MIRCIOIU, I. GUTIU, **MIHAELA IONESCU**, MARIANA JINGA " Pharmacokinetic/Pharmacodynamic Analysis of Slow-Release Oral Lidocaine Effect in Suppression of Premature Ventricular Complexes", European Journal of Clinical Pharmacology, Supl. Vol. 52, Ab3(135), **1997**
7. MIHAELA MANOLACHE, **MIHAELA IONESCU** "Metoda polarografica de dozare a Captoprilului din medicamente", Farmacia, 6, p. 25-34, **1998**
8. C. MIRCIOIU, D.BALALAU, **M.IONESCU**, "Secondary outward component of drug transport across artificial membranes", in Perspectives in Percutaneous Penetration,(K. Brain, V. James, K. Walters eds.), STS Publishing, Cardiff, vol. 5B, pp.254-257, **1998**
9. **M.IONESCU**, C. MIRCIOIU, V. VOICU " Inhibition of the percutaneous absorption of o,o-dimethyl-o-dichlorovinyl phosphate by absorptive powders", in Perspectives in Percutaneous Penetration,(K. Brain, V. James, K. Walters eds.), STS Publishing, Cardiff, vol. 5B, pp.258-260, **1998**
10. C. MIRCIOIU, V.A. VOICU, **MIHAELA IONESCU** "Powders, Ointments and solutions as First Aid, Nonspecific Antidotes for Organophosphorous Compounds at Skin Level", NBC Risks Current Capabilities and future Perspectives for Protection, p. 293-303, edited by Torsten Sohns and Victor A.Voicu, Kluwer Academic Publishers, **1999**
11. Victor DAVID, **Mihaela IONESCU**, Valerică DUMITRESCU "Determination of cycloserine in human plasma by high-performance liquid chromatography with fluorescence detection, using a derivatization with p-benzoquinone", Journal of chromatography B, 761, p.27-33,**2001**
12. Victor DAVID, **Mihaela IONESCU**, Florentin TACHE and Andrei MEDVEDOVICI, "A simple and fast method for the determination of ranitidine in human plasma by HPLC-DAD", Chem. Anal. (Warsaw), 46, 865-871, **2001**
13. C. MIRCIOIU, D.S. MIRON, **M. IONESCU**, A. BOBORODEA "Tenoxicam bioequivalence study with unequal sequences", Farmacia, XLIX, 1, 49-56, **2001**
14. Andrei MEDVEDOVICI, **Mihaela IONESCU**, Constantin MIRCIOIU, Victor DAVID, "Optimization of a liquid-liquid extraction method for HPLC-DAD determination of penicillin-V in human plasma", Microchemical J., 72, 85-92, **2002**
15. **MIHAELA IONESCU**, VICTOR DAVID, ANDREI MEDVEDOVICI, "A non-extraction method for the determination of prothionamide in human plasma samples by high performance liquid chromatography-dode array detector", Revue Roumaine de Chimie, 47(8-9), 855-860, **2002**

16. DALIA S. MIRON, C. MIRCIOIU, **M. IONESCU**, I. MIRCIOIU, F. RADULESCU, "Formulation and evaluation of a preventive antidote in organophosphorous poisoning", *Farmacia*, vol. LIV,2, 63-70, **2006**
17. Lavinia G. Hinescu, Cristina M. Ranetti, **Mihaela Ionescu**, Constantin Mircioiu, Cristiana Cosmescu, Victor A. Voicu, "Development and Validation of a Separation Method for an analgesic drug and its main metabolite from plasma", *Revista de Chimie*, ISSN 0034-7752, vol. 60, nr. 9, pp. 961-966, **2009**
18. C.M. Ranetti, **M. Ionescu**, Lavinia Hinescu, E Ionică, V. Anuta, A. Ranetti, C Stecoza, C Mircioiu, "Validation of a HPLC Method for the Simultaneous Analysis of Metformin and Gliclazide in Human Plasma", *Farmacia*, ISSN - 0014-8237, Vol. 57, 6, pp. 728-735, **2009**
19. Lavinia G. Hinescu, Cristina M. Ranetti, **Mihaela Ionescu**, Elena Ionica, Draghici Constantin, Constantin Mircioiu, Cristiana Cosmescu, Victor A. Voicu, "HPLC method for the simultaneous determination of the components of an aqueous antidote solution", *Farmacia*, ISSN 0014-8237, Nr 1, **2011**
20. Corlan G, Pahomi G, Sandulovici R, Prasacu I, **Ionescu M**, Anuța V, "Modelling of transfer kinetics of trichlorphon pesticide across cuprophane dialysis membrane in presence and absence of antidote powders", *Farmacia*, **2012**; 60(6): 915-924, ISSN 0014-8237 (IF -0.873 /2012);
21. MARIA BARCA, D BALALAU, **MIHAELA IONESCU**, CRISTIANA DANCUS, DANIELA LUIZA BACONI, MIHAELA ILIE, "Metoda HPLC de dozare a metotrexatului in plasma", *Farmacia*, no 2,59-66, **2005**
22. DALIA S. MIRON, C. MIRCIOIU, **M. IONESCU**, I. MIRCIOIU, F. RADULESCU, "Formulation and evaluation of a preventive antidote in organophosphorous poisoning", *Farmacia*, vol. LIV,2, 63-70, **2006**
23. **Mihaela Ionescu**, Maria-Cristina Ranetti, Elena Ionica, Lavinia Georgeta Hinescu, C. Mircioiu, Dalia Miron, C. Draghici, Lacramioara Popa, V.A.Voicu, "Trichlorfon permeation: a comparative study with different membranes and adsorptive powders", *Farmacia*, ISSN - 0014-8237, Vol. LVI, nr. 3, 275-282, **2008**
24. M.C. Ranetti, **M. Ionescu**, E. Ionica, C. Mircioiu, Lavinia G. Hinescu, C. Draghici, C. Cosmescu, Capitolul and desorption of lipophilic organophosphorous compounds (LCOF) through synthetic membranes. Health and environment aspects", *Volum al Simpozion aniversar - Centrul de Cercetari Stiintifice Medico-Militare Bucuresti*, 40 de ani de activitate, **2008**
25. LAVINIA G. HINESCU*, CRISTINA M. RANETTI, **MIHAELA IONESCU**, CONSTANTIN MIRCIOIU, VICTOR A. VOICU, "Development and validation of a separation method for an analgesic drug and its main metabolite from plasma", *Revista de chimie (Bucuresti)*, 60 ,nr 9, **2009**
26. MARIA-CRISTINA RANETTI, **MIHAELA IONESCU**, LAVINIA HINESCU, ELENA IONICA, VALENTINA ANUTA, A.E. RANETTI, CAMELIA ELENA STECOZA, C. MIRCIOIU, "Validation of a HPLC method for the simultaneous analysis of metformin and gliclazide in human plasma", *Farmacia*, vol.57, no. 6, 728-735, **2009**
27. Gheorghe Corlan, Roxana Sandulovici, Irina Prasacu, **Mihaela Ionescu**, Valentina Anuta, Modelling of transfer kinetics of trichlorphon pesticide across cuprophane dialysis membrane in presence and absence of antidote powders. *Farmacia*, **2012**, Vol.60, 6; 915-924;
28. Mircioiu C, Voicu V.A., **Ionescu M**, Miron D.S., Rădulescu F.Ș., Nicolescu A.C. "Evaluation of in vitro absorption, decontamination and desorption of organophosphorous compounds from skin and synthetic membranes", *Toxicol Letters*, 2013, 219(2):99-106; Impact factor - 3.355/**2013**;
29. Victor Cojocar, Aurelian Emil Ranetti, Lavinia Georgeta Hinescu, **Mihaela Ionescu**, Cristiana Cosmescu, Angela Gabriela Poștoarcă, Ludmila Otilia Cintează, "Formulation And Evaluation of in vitro Release Kinetics of Na₃CaDTPA Decorporation

Agent Embedded in Microemulsion-Based Gel Formulation for Topical Delivery", publicat în revista Farmacia, vol 63, nr 5, pp. 656-664, **2015**, factor impact - 1,251, cotate ISI;

30. Orbesteanu Ana-Maria, **Mihaela Ionescu**, Ludmila Otilia Cinteza, Ailiesei Ioana, Cojocaru Victor, Hertzog Radu, Lavinia G. Hinescu, Mircioiu Constantin, "Inclusion of oximes and pyridostigmine in nanosystems as a new method for improving their bioavailability", Current Health Sciences Journal, revistă B+ CNCSIS, volum 41, supliment 2, pag. 51-54, **2015**;

31. A. Postoarca, **Mihaela Ionescu**, Alice Piperea-Sianu, I. Sarbu, Lavinia-Georgeta Hinescu "Sodium ion effect on separation of butyrylcholinesterase from plasma by ion-exchange chromatography", Current Health Sciences Journal, 41, No 2, **2015**, 165-171.

Noiembrie 2016

