

## CURRICULUM VITAE

### INFORMAȚII PERSONALE

Nițulescu George Mihai

Loc de muncă: UMF Carol Davila, Facultatea de Farmacie, Departament II, Disciplina de Chimie farmaceutică

Funcția: Conferențiar universitar

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### STUDIILE EFECTUATE ȘI DIPLOMELE OBȚINUTE

- |           |   |
|-----------|---|
| 2017      | Atestat de abilitare în domeniul de studii universitare de doctorat Farmacie<br>Universitatea de Medicina și Farmacie „Carol Davila”, București (România)<br>Ordin M.E.N nr. 5167 din 28.09.2017.   |
| 2014-2015 | Proiect postdoctoral, “ <i>Dezvoltarea de noi agenți antitumorali</i> ” în cadrul programului CERO-profil de carieră: cercetător roman, numărul grantului POSDRU/159/1.5/S/135760.  |
| 2011      | Doctor în Farmacie<br>Universitatea de Medicina și Farmacie „Carol Davila”, București (România)<br>Ordin M.E.C.T. nr. 6468 din 07.12.2011, Diploma de Doctor nr. 11757, Teza " <i>Sinteza unor derivați de pirazol cu potențială acțiune biologică</i> ",<br>Conducător: Prof. Alexandru Missir |
| 2011      | Farmacist primar (2011)<br>Ministerul Sănătății și Familiei Direcția Generală Resurse Umane, Formare Profesională, Concursuri și Examene, București (România)<br>Specializarea "Industria farmaceutică și cosmetologie"   |
| 2006      | Farmacist specialist (2006)<br>Ministerul Sănătății și Familiei Direcția Generală Resurse Umane, Formare Profesională, Concursuri și Examene, București (România)<br>Specializarea "Industria farmaceutică și cosmetologie"   |
| 1997–2002 | Licență în farmacie (2002)<br>Universitatea de Medicina și Farmacie „Carol Davila”, Facultatea de Farmacie, București (România)<br>Studii superioare de lungă durată  |

### ***Cursuri postuniversitare absolvite***

- 2017, Absolvent al cursului „***Interacțiuni supliment - medicament***”, UMF Carol Davila .
- 2016, Absolvent al cursului „***Antineoplazice***”, UMF Carol Davila
- 2015, Absolvent al cursului „***Egalitate de Șanse și Comunicare***”, ATC Training, Institutul Clinic Fundeni, București
- 2011, Absolvent al cursului „***Pedagogie generală***”, UMF Carol Davila
- 2010, Absolvent al cursului „***Metode moderne în controlul calității medicamentelor***”, UMF Carol Davila
- 2008, Absolvent al cursului „***Pharmacoepidemiology***”, Institute of Epidemiology at Ulm University, Ulm, Germania
- 2008, Absolvent al cursului „***Introduction to Epidemiology***”, Institute of Epidemiology at Ulm University, Ulm, Germania
- 2008, Absolvent al cursului „***General Course on Intellectual Property***”, WIPO Worldwide Academy
- 2008, Absolvent al cursului „***Manager de proiect***”, 2006, Fundația Centrul pentru Implementarea Managementului Performant, București
- 2005, Absolvent al cursului „***Aspecte practice ale proiectării medicamentelor***”, UMF Victor Babeș Timișoara
- 2004, Absolvent al cursului „***Medicamente antihipertensive***”, UMF Carol Davila
- 2003, Absolvent al cursului „***Hipnotice-sedative***”, UMF Carol Davila

### **EXPERIENȚA PROFESIONALĂ ȘI LOCURILE DE MUNCĂ RELEVANTE**

- |                       |  |
|-----------------------|--|
| 01/10/2013–Prezent    | Conferențiar universitar<br>Universitatea de Medicină și Farmacie „Carol Davila”, București<br>Activitate didactică (predare curs, îndrumare lucrări practice de Chimie Farmaceutică studenților din anul IV, Facultatea de Farmacie, îndrumare elaborare lucrări de diplomă, îndrumare lucrări științifice ale studenților etc.), activitate de cercetare |
| 01/03/2008–01/10/2013 | Șef de lucrări<br>Universitatea de Medicină și Farmacie „Carol Davila”, București<br>Activitate didactică (predare curs, îndrumare lucrări practice de Chimie Farmaceutică studenților din anii III și IV, îndrumare elaborare lucrări de diplomă, îndrumare lucrări științifice ale studenților etc.), activitate de cercetare                            |

01/10/2005–28/02/2008	Asistent universitar Universitatea de Medicina și Farmacie „Carol Davila”, București Activitate didactică (îndrumare lucrări practice, îndrumare elaborare lucrări de diplomă, îndrumare lucrări științifice ale studenților etc.), activitate de cercetare
01/03/2003–30/09/2005	Preparator universitar Universitatea de Medicina și Farmacie „Carol Davila”, București Activitate didactică (îndrumare lucrări practice), activitate de cercetare
01/01/2003–28/02/2003	Farmacist rezident Spitalul Universitar de Urgență București, București

### ***Experiența profesională***

Experiența profesională este reprezentată de activitățile academice efectuate în cadrul disciplinei de Chimie farmaceutică, Universitatea de Medicina și Farmacie „Carol Davila”, București din 2003 până în prezent.

**Activitatea didactică** constă în predare de cursuri și îndrumare de lucrări de laborator de Chimie farmaceutică studenților din anii III și IV, cumulată cu predarea cursului opțional de Strategii de Drug Design, curs destinat studenților din anul V.

Activitatea didactică a fost concretizată prin elaborarea în colaborare a 5 cărți din domeniul Chimiei farmaceutice. Capacitatea de a îndruma activitatea de cercetare a studenților este evidențiată de coordonarea a 16 lucrări în cadrul Cercului științific studențesc de Chimie farmaceutică și îndrumarea științifică a 24 lucrări de diplomă.

#### **Activitatea de cercetare**

În scopul atragerii de fonduri pentru finanțarea activităților de cercetare, am elaborat o serie de proiecte de cercetare, atât ca director de proiect, cât și ca responsabil științific. Din cele 4 cereri de finanțare depuse la diverse competiții de proiecte în calitate de director, două s-au concretizat prin contracte de cercetare.

Activitatea de cercetare este evidențiată prin participarea în echipele de lucru ale unui număr în echipele de lucru ale unui număr de 22 contracte de cercetare câștigate prin competiție la nivelul Universității. Un număr de 16 contracte au fost cu parteneri naționali, iar 8 s-au desfășurat cu parteneri internaționali (China, Africa de Sud, Turcia, Slovacia, Ucraina, Republica Moldova).

Rezultatele activităților de cercetare au fost valorificate prin publicarea unui număr de 53 de articole în reviste indexate ISI Thompson și un număr de 18 articole în reviste științifice indexate în

alte baze de date internaționale. Factorul de impact cumulat pentru revistele în care au fost publicate cele 53 de articole ISI are valoarea de 63,89. Pentru 27 de articole sunt autor principal.

Articolele publicate au fost citate de 440 ori în reviste ISI și BDI. Vizibilitatea și prestigiul internațional sunt demonstrate și prin invitația de a fi referent științific pentru reviste importante cotate ISI. Am analizat și recenzat un număr de 71 de manuscrise pentru 24 de reviste (21 reviste ISI și 3 reviste BDI).

Prestigiul internațional este dovedit de invitația Facultății de Științe, Universitatea Palacký din Olomouc, Cehia, de a susține în anul 2011 conferința cu titlul „Modern Strategies of Drug Design” în cadrul unei manifestări internaționale.

**Experiența management** este evidențiată de coordonarea a două contracte de cercetare în calitate de director al acestuia. Activitatea managerială este reliefată și de numirea ca șef de sală în cadrul examenului de admitere în rezidențiat, de participarea la examenele de admitere și licență din cadrul Facultății de Farmacie, îndeplinirea funcției de secretar în comisii de examen pentru ocuparea unor posturi didactice, al comisiei de admitere în doctorat (2007-2010) și în comitetul științific al Congresului Național de Farmacie.

## **INFORMAȚII DESPRE PROIECTELE DE CERCETARE DEZVOLTARE CONDUSE CA DIRECTOR DE PROIECT**

Proiect PN-II-RU-TE-2011-3-0228, Contract nr. 13/2011, “*Sinteza și evaluarea antitumorală a unor noi compuși pirazolici*”, Programul Tinere Echipe, Sursa de finanțare UEFISCDI.

Volum de finanțare: 700.000 lei. Perioada de desfășurare: 21 noiembrie 2011 - 20 noiembrie 2014

Activitățile de cercetare s-au concretizat cu obținerea de noi compuși cu structură pirazolică și caracterizarea lor fizico-chimică. Evaluarea cantitativă antineoplazică a fost efectuată *in vitro* pe diferite linii celulare tumorale umane, reprezentând diferite tipuri de cancer, măsurând acțiunea antiproliferativă și citotoxică, efectul substanțelor asupra apoptozei și a ciclului celular. Au fost realizate studii de corelare a structurii și activității ce-au permis optimizarea efectelor anticancerigene și dezvoltarea ulterioară de noi cercetări.

Toate obiectivele fixate au fost atinse și rezultatele cercetării au fost diseminate prin următoarele lucrări:

- cerere de brevet înregistrată la OSIM
- 6 articole științifice publicate în reviste cotate ISI
- 11 comunicări de tip poster

Proiect PN-II-RU-TE-2014-4-1670, Contract nr. 342/2015, “*Inhibitori ai sortazei A. Noi soluții terapeutice în tratamentul infecțiilor produse de coci Gram pozitiv multirezistenți*”, Programul Tinere Echipe, Sursa de finanțare UEFISCDI.

Volum de finanțare: 517.000 lei. Perioada de desfășurare: 01 octombrie 2015 - 30 septembrie 2017

Proiectul încearcă să rezolve problema numărului limitat de resurse terapeutice pentru tratamentul infecțiilor provocate de coci Gram pozitivi multirezistenți. Rezultatele sunt reprezentate de obținerea de noi compuși caracterizați fizico-chimic și toxicologic, cu efect antimicrobian asupra cocilor Gram pozitivi, relații între structura chimică și efectul biologic și inhibitori ai sortazei A cu aplicabilitate practică. Rezultatele cercetărilor efectuate până la acest moment au fost diseminate prin următoarele lucrări:

- 6 articole ISI (5 articole publicate, un articol în evaluare).
- 22 de lucrări științifice comunicate oral sau poster (1 conferință, 2 comunicări orale, 19 postere).

Bursă postdoctorală Contract 21775/13.08.2014, proiect “*Dezvoltarea de noi agenți antitumorali*” (2014-2015) în cadrul programului CERO-profil de carieră: cercetător roman, numărul grantului POSDRU/159/1.5/S/135760.

Perioada de desfășurare: august 2014 - decembrie 2015

Obiectivul general al proiectului a fost reprezentat de dezvoltarea de noi agenți antitumorali în scopul introducerii în terapia anticanceroasă. Activitățile desfășurate au vizat atingerea în bune condiții a obiectivelor prin sinteza și analiza antitumorală a unor substanțe cu structură pirazolică. Toate obiectivele fixate au fost atinse și rezultatele cercetării au fost diseminate prin următoarele lucrări:

- 2 articole științifice publicate în reviste cotate ISI
- 4 articole științifice publicate în reviste indexate BDI
- 1 comunicare orală
- 5 prezentări de tip poster

## PREMII ȘI ELEMENTE DE RECUNOAȘTERE A CONTRIBUȚIILOR ȘTIINȚIFICE

### *Premii*

1. Premiului pentru „Exelență în Cercetare Farmaceutică” în cadrul Galei Farmaciștilor ediția a IV-a, 2015, acordat de către Colegiul Farmaciștilor din România.
2. Synthesis of new pyrazole derivatives and their anticancer evaluation (2010), Premiu UEFISCDI zona roșie
3. Nitulescu, G.M., Draghici, C., Olaru, O.T. (2013). New potential antitumor pyrazole derivatives: synthesis and cytotoxic evaluation. *Int. J. Mol. Sci.*, 14(11), 21805-21818. (zona galbenă; cod: PN-II-RU-PRECISI-2014-8-5187)
4. Anuta V, Nitulescu GM, Dinu-Pîrvu CE, Olaru OT. Biopharmaceutical profiling of new antitumor pyrazole derivatives. *Molecules* 19, 2014, p. 16381-16401. doi:[10.3390/molecules191016381](https://doi.org/10.3390/molecules191016381) (zona galbenă; cod: PN-II-RU-PRECISI-2015-9-8088)
5. Olaru OT, Nitulescu GM, Ortan A, Dinu-Pirvu CE. Ethnomedicinal, Phytochemical and Pharmacological Profile of *Anthriscus sylvestris* as an Alternative Source for Anticancer Lignans. *Molecules* 20, 2015, p. 15003-15022. (zona galbenă; cod: PN-II-RU-PRECISI-2015-9-8076)
6. Nitulescu GM, Draghici C, Olaru OT, Matei L, Aldea I, Dragu LD, Bleotu C, Synthesis and apoptotic activity of new pyrazole derivatives in cancer cell lines. *Bioorganic & Medicinal Chemistry* 5799-5808. (zona roșie; cod: PN-II-RU-PRECISI-2015-9-8324).
7. Nitulescu G, Zanfirescu A, Olaru OT, Nicorescu IM, Nitulescu GM, Margina D. Structural analysis of sortase A inhibitors. *Molecules*, 2016, 21(11): 1591. DOI: 10.3390/molecules21111591 (zona galbenă; cod: PN-III-P1-1.1-PRECISI-2017-14185)
8. Olaru OT, Venables L, Nitulescu G, Koekemoer T, Nitulescu GM, van de Venter M. Antiproliferative assay of *Euphorbia* species extracts on human cancer cell lines. *Maedica – Journal of Clinical Medicine*, Volume 11, Supplement, 2016. p. 13. ISSN: 2501-6903. Lucrare premiată la Young Investigator Award, Congresul UMF Carol Davila, București, iunie 2016.

### ***Recunoasterea contribuțiilor științifice este reprezentată de:***

Calitatea și impactul articolelor publicate sunt demonstrate prin numărul total de 440 de citări în articole publicate în reviste ISI sau BDI. Analiza bibliometrică a citărilor indică un indice Hirsch 11 și un indice g egal cu 13.

Declar pe proprie răspundere, că informațiile prezentate sunt corecte și corespund realității.

### LISTĂ DE LUCRĂRI

a) Lucrări relevante

1. Nitulescu, G.; Nicorescu, I. M.; Olaru, O. T.; Ungurianu, A.; Mihai, D. P.; Zanfirescu, A.; **Nitulescu**, G. M.; Margina, D. Molecular docking and screening studies of new natural sortase A inhibitors. *Int. J. Mol. Sci.* 2017, 18. FI: 3,226 (2017) (autor principal)
2. Nitulescu, G.; Zanfirescu, A.; Olaru, T. O.; Nicorescu, M. I.; **Nitulescu**, G. M.; Margina, D. Structural Analysis of Sortase A Inhibitors. *Molecules* 2016, 21, pii: E1591. FI: 2,861 (2016) (autor principal)
3. **Nitulescu**, G. M.; Nedelcu, G.; Buzescu, A.; Olaru, O. T. Aminopyrazoles as privileged structures in anticancer drug design - an in silico study, *Bulg. Chem. Commun.* 2016, 48, 55-60. FI: 0,238 (2016) (autor principal)
4. **Nitulescu**, G. M.; Margina, D.; Juzenas, P.; Peng, Q.; Olaru, O. T.; Saloustros, E.; Fenga, C.; Spandidos, D. A.; Libra, M.; Tsatsakis, A. M. Akt inhibitors in cancer treatment: The long journey from drug discovery to clinical use (Review). *Int. J. Oncol.* 2016, 48, 869–85. FI: 3,079 (2016) (autor principal)
5. **Nitulescu**, G. M.; Șoriga, Ș. G.; Socea, I. L.; Olaru, O. T.; Pleșu, V. Structure-activity Relationships and Chemoinformatic Analysis of the Anticancer Profile of an Aminopyrazole Derivative. *Rev. Chim.* 2016, 67, 162–165. FI: 1,232 (2016)(autor principal)
6. **Nitulescu**, G. M.; Draghici, C.; Olaru, O. T.; Matei, L.; Ioana, A.; Dragu, L. D.; Bleotu, C. Synthesis and apoptotic activity of new pyrazole derivatives in cancer cell lines. *Bioorg. Med. Chem.* 2015, 23, 5799–5808. FI: 2,923 (2015)(autor principal)
7. Anuta, V.; **Nitulescu**, G. M.; Dinu-Pirvu, C. E.; Olaru, O. T. Biopharmaceutical profiling of new antitumor pyrazole derivatives, *Molecules* 2014, 19, 16381–16401. FI: 2,416 (2014) (autor principal)
8. **Nitulescu**, G. M.; Draghici, C.; Olaru, O. T. New potential antitumor pyrazole derivatives: Synthesis and cytotoxic evaluation. *Int. J. Mol. Sci.* 2013, 14, 21805–21818. FI: 2,339 (2013) (autor principal)
9. **Nitulescu**, G. M.; Draghici, C.; Chifiriuc, M. C.; Marutescu, L.; Bleotu, C.; Missir, A. V Synthesis and antimicrobial screening of N-(1-methyl-1H-pyrazole-4-carbonyl)-thiourea derivatives. *Med. Chem. Res.* 2012, 21, 308–314. FI: 1,612 (2012) (autor principal)
10. **Nitulescu**, G. M.; Draghici, C.; Missir, A. V Synthesis of new pyrazole derivatives and their anticancer evaluation. *Eur. J. Med. Chem.* 2010, 45, 4914–4919. FI: 3,193 (2010) (autor principal)

b) Teza de doctorat

- martie 2011 - susținerea publică a tezei de doctorat intitulată "Sinteza unor derivați de pirazol cu potențială acțiune biologică" realizată sub îndrumarea științifică a domnului Prof. Alexandru Missir în cadrul Universității de Medicină și Farmacie Carol Davila
- doctor în științe medicale - domeniul Farmacie prin ordinul M.E.C.T. nr. 6468 din 07.12.2011, Diploma de Doctor nr. 11757.

c) Brevete

#### Brevete acordate

1. **Nițulescu GM**, Missir AV, Drăghici C, Chifiriuc MC, Dițu LM. "Tioureide al acidului 1-metil-1H-4-pirazol carboxilic și procedeu de preparare a acestora" RO123418 B1 (2012).

#### Cereri de brevet:

1. **Nitulescu GM**, Aldea I, Bleotu C, Matei L, Hirjau M, Velescu BS, Olaru OT. "Agenți anticanceroși derivați ai N-(4-hidroxi-4-metil-3-feniltiazolidin-2-iliden)-1-metil-1H-pirazol-4-carboxamidei", A2013/00885 (2013).
2. Olaru OT, Șeremet OC, Margină D, **Nițulescu GM**, Ilie M, Grigore AE, Negreș S, Velescu BȘ, Apostol TV, Istudor V. "Extracte standardizate de Fallopia convolvulus și Fallopia aubertii procedură de preparare și utilizare terapeutică", A2013/01005 (2013).

3. Uivarosi V, **Nițulescu GM**. “Complecși solubili ai ruteniului (III) și procedeul de sinteză al acestora”, A2013/01039 (2013).
4. Dinu-Pîrvu C., Anuța V., Velescu B., Nițulescu M., Olaru O., Ghica M., Orțan A., Popa O., Băbeanu N., Extracte standardizate din *Anthriscus sylvestris* – procedeu de obținere și utilizare terapeutică. A00625/07.09.2017
5. Dinu M, Ancuceanu RV, Olaru OT, Hovaneț MV, Anghel AI, Negreș S, Șeremet OC, Zbârcea CE, Dinu-Pîrvu CE, Arsene, Drăgoi C., Popescu CV, Dune A, **Nițulescu GM**, Băbeanu NE, Popa O, Livadariu O, Manea S, Nicolae A. Extract selectiv de *Morus alba* L. de uz topic cu utilitate în tratamentul dermatitei atopice. Cerere de brevet nr. A/00747/27.09.2017
6. Ancuceanu R, Dinu M, Hovaneț MV, Anghel AI, Olaru OT, Dinu Pîrvu CE, **Nițulescu GM**, Popescu VC, Dune CA, Manea S, Docu FS. Extract de origine vegetală pentru suplimentarea fierului din alimentație și metodă de obținere a acestuia. Cerere nr. A100746/27.09.2017

**d) Cărți și capitole din cărți**

1. **Nițulescu George Mihai**, Strategii de drug design (2013) Ed. Printech, București, ISBN 978-606-23-0048-7.
2. Morușciag L., Missir A., Bădiceanu C.D., Stecoza C.E., Nuță D.C., Carmen Limban, **Nițulescu G.M.**, Chiriță I.C., Ciolan D., Lucrări practice de Chimie farmaceutică. Sinteza unor substanțe medicamentoase, ed. a II-a. (2012) Ed. Tehnoplast Company SRL, București, ISBN 978-973-8932-73-9.
3. Missir A., Nuță D.C., Chiriță I.C., Morușciag L., Carmen Limban, Stecoza C.E., **Nițulescu G.M.**, Bădiceanu C.D., Ciolan D., Lucrări practice de Chimie farmaceutică. Analiza substanțelor medicamentoase, ed. a II-a. (2012) Ed. Tehnoplast Company SRL, București, ISBN 978-973-8932-70-8.
4. Chiriță I., Missir A., Morușciag L., Carmen Limban, Stecoza C., Nuță D., **Nițulescu G.M.**, Bădiceanu C., Chimie farmaceutică. Note de curs pentru anul IV, vol. II. (2008) Ed. Tehnoplast Company SRL, București, ISBN-978-973-8932-27-2. (Cap 5. Medicamente cu acțiune ganglionară, Cap. 6 Medicamente curarizante)
5. Chiriță I., Morușciag L., Stecoza C., Nuță D., **Nițulescu G.M.**, Chimie farmaceutică. Note de curs pentru anul IV, (2006) Ed. Tehnoplast Company, București, ISBN-973-87567-6-6.

**e) articole/studii in extenso**

**71 de articole in extensor, 53 ISI, 18 BDI**

**Articole în reviste ISI:**

**52 de articole ISI, factor de impact cumulat: 63,89, 26 ca autor principal, factor de impact cumulat: 41,55**

**1 articol ISI (autor principal) – acceptat, publicat online**

1. Zanfirescu, A.; Cristea, A. N.; **Nițulescu**, G. M.; Velescu, B. S.; Gradinaru, D. Chronic monosodium glutamate administration induced hyperalgesia in mice. *Nutrients* 2018, 10. FI: 3,55 (2018)(autor principal)
2. Velescu, B. Ș.; Anuța, V.; **Nițulescu**, G. M.; Olaru, O. T.; Orțan, A.; Ionescu, D.; Ghica, M. V.; Drăgoi, C. M.; Pîrvu, C. E. D. Pharmaceutical assesment of romanian crops of *anthriscus sylvestris* (Apiaceae). *Farmacia* 2017, 65, 824–831. FI: 1,348 (2017)(autor principal)
3. Zalaru, C.; Dumitrascu, F.; Draghici, C.; Tarcomnicu, I.; Tatia, R.; Moldovan, L.; Chifiriuc, M.-C.; Lazar, V.; Marinescu, M.; **Nițulescu**, M. G.; Ferbinteanu, M. Synthesis, spectroscopic characterization, DFT study and antimicrobial activity of novel alkylaminopyrazole derivatives. *J. Mol. Struct.* 2018, 1156, 12–21. FI: 1,753 (2018)
4. **Nițulescu**, G.; Nicorescu, I. M.; Olaru, O. T.; Ungurianu, A.; Mihai, D. P.; Zanfirescu, A.; **Nițulescu**, G. M.; Margina, D. Molecular docking and screening studies of new natural sortase A inhibitors. *Int. J. Mol. Sci.* 2017, 18. FI: 3,226 (2017)(autor principal)
5. **Nițulescu**, G. M.; Iancu, G.; **Nițulescu**, G.; Iancu, R. C.; Bogdanici, C.; Vasile, D. Brave New Hope for Breast Cancer Aminopyrazole derivates between rational design and clinical efficacy. *Rev. Chim.* 2017, 68, 754–757. FI: 1,232 (2017)(autor principal)

6. Stănescu, M.; Monciu, C. M.; **Nițulescu**, M.; Drăghici, C.; Doicin, I.; Lupașcu, G.; Lupu, A.; Aramă, C. C. Amino acids based chiral ionic liquids for enantiomer separation by capillary electrophoresis. *Farmacia* 2017, 65, 46–55. FI: 1,348 (2017)
7. Nitulescu, G.; Zăncărescu, A.; Olaru, T. O.; Nicorescu, M. I.; **Nițulescu**, G. M.; Margina, D. Structural Analysis of Sortase A Inhibitors. *Molecules* 2016, 21, pii: E1591. FI: 2,861 (2016)(autor principal)
8. Rusu, A.; Hancu, G.; Tóth, G.; Vancea, S.; Toma, F.; Mare, A. D.; Man, A.; **Nițulescu**, G. M.; Uivarosi, V. New silver complexes with levofloxacin: Synthesis, characterization and microbiological studies. *J. Mol. Struct.* 2016, 1123, 384–393. FI: 1,753 (2016)
9. Dinu, M.; Olaru, O. T.; Dune, A.; Popescu, C.; **Nițulescu**, G. M.; Ancuceanu, R. V. The obtaining and characterization of a rich-phenolic extract from *Amaranthus Hypochondriacus*. *Rev. Chim.* 2016, 67, 880–883. FI: 1,232 (2016)
10. Olaru, O. T.; **Nițulescu**, G. M.; Miu, I.; Dănciulescu Miulescu, R.; Margină, D. Extracts of *Cynanchum acutum* with potential use in the treatment of diabetes mellitus. Polyphenolic and flavonoids content, 2st International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications (INTERDIAB) 2016, 329-338. FI: 0 (2016)
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### **Granturi/ proiecte câștigate prin competiție**

Director de proiect pentru 2 contracte naționale câștigate prin competiții UEFISCDI, participare în 8 granturi/proiecte internațional, 14 granturi/proiecte naționale de cercetare și un proiect de cercetare postdoctorală.

#### **Proiect postdoctoral:**

**Contract 21775/13.08.2014**, cercetare de tip bursă postdoctorală “*Dezvoltarea de noi agenți antitumorali*” (2014-2015) în cadrul programului CERO-profil de carieră: cercetător roman”, numărul grantului POSDRU/159/1.5/S/135760

#### **Director de proiect:**

1. UEFISCDI, PN-II-RU-TE-2014-4-1670, nr. 342/2015, Inhibitori ai sortazei A. Noi soluții terapeutice în tratamentul infecțiilor produse de coci gram pozitiv multirezistenți, 2015-2017.
2. UEFISCDI, PN-II-RU-TE-2011-3-0228, nr. 13/2011. Sinteza și evaluarea antitumorală a unor noi compuși pirazolici, 2011-2014.

### **Membru în echipa de cercetare:**

3. UEFISCDI, PN-II, Capacitati/Modul III, Romania - China, nr. 46 BM/2016, Evaluarea preclinica a efectelor unor antiproliferative noi in cancerul mamar, 2016-2017.
4. UEFISCDI, PN-II, Capacitati/Modul III, Romania - Africa de Sud, nr. 8 BM/2016, New synergic biomaterials for anticancer therapy (SYNERG) , 2016-2017.
5. UEFISCDI, PN-II, Capacitati/Modul III, Romania - Africa de Sud, nr. 15 BM/2016, Self-emulsifying delivery system for new metal complexes as materials with potential health use, 2016-2017
6. UEFISCDI, PN-II-PT-PCCA-2013-4-1953, nr. 199/2014, Dezvoltarea unui medicament pe bază de plante cu administrare topică în dermatoze alergice, 2014-2016.
7. UEFISCDI, PN-II-PT-PCCA-2013-4-0953, nr. 176/2014, Produse terapeutice inovative cu actiune profilactica si curativa destinate sectorului zoo-veterina, 2014-2016.
8. UEFISCDI, PN-II-PT-PCCA-2013-4-1572, nr. 161/2014, Studii privind corelațiile sol-plantă-alimentom în vederea obținerii unui supliment alimentar cu un conținut crescut în fier de origine vegetală, 2014-2016.
9. UEFISCDI, PN II, PCCA-2, nr. 136/2012, Conceperea si dezvoltarea unor sisteme de transport si cedare pentru noi compusi de ruteniu cu actiune antitumorală, 2012-2015.
10. ANCS, Capacitati/Modul III, Romania - Turcia, nr. 541/2011, Dezvoltarea de sisteme cu solubilitate imbunatatita pentru noi combinatii complexe de ruteniu(II) cu antibiotice chinolonice si testarea activitatii anticancer a acestora, 2012-2014.
11. ANCS, Capacități/Modul III, România - Slovacia, nr. 465/2011, In silico, in vitro and ex vivo research concerning anti-infective compounds, 2011-2013.
12. ANCS, Capacități/Modul III, România - Turcia, nr. 378, Studii complexe privind sinteza, caracterizarea fizico-chimica si testarea activitatii antiparazitare a unor noi derivati ai tioureei, 2010-2011.
13. ANCS, Capacități/Modul III, România - Republica Moldova, nr. 419, Obținerea și caracterizarea fizico-chimică unor noi tioureide ale acidului 2-(2-fenetil)-benzoic și a complexilor metalici corespunzători ca potențiale substanțe antimicrobiene, 2010-2012.
14. ANCS, Capacități/Modul III, România - Ucraina, nr. 74, Cercetări inovatoare de noi molecule prototip de medicamente în clasa 4-tiazolidonelor și a sistemelor heterociclice înrudite. Search of novel “drug-like” molecules as innovation drugs prototypes among 4-thiazolidones and related heterocyclic systems, 2008-2009.
15. CNMP, PNII, nr. 42-095, Cercetari privind sinteza, caracterizarea fizico-chimica si testarea activitatii antiinfecioase a unor noi compusi cu structura triciclică [6.7.6], 2008-2010.
16. CNMP, PNII, nr. 61-046, Cercetări privind obținerea de noi agenți antimicrobieni din clasa tioureidelor: sinteza, caracterizarea fizico- chimică și screening biologic, 2007-2010.
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19. CNMP, PNII, nr. 61-037, Dezvoltarea unui sistem bioinformatic de tip QSAR de modelare a activității agenților terapeutici antitumorali și antireumatici in terapii individualizate, 2007-2010.
20. CEEEX nr. 169/2006, Compuși anti-Alzheimer din clasa antagonistilor receptorilor de N-metil-D-aspartat (NMDA), derivati de adamantan; cercetari multidisciplinare, 2006- 2008.
21. CEEEX nr. 15/2006, Cercetări pentru realizarea de produse decontaminante performante, tehnologii de obținere și procedee de aplicare în vederea combaterii efectelor atacurilor teroriste chimice si biologice, 2006-2008.
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**Articole BDI**

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- citad de art. Alan, I., Kriza, A., Drăcea, O., Stănică, N. Synthesis, characterization and antimicrobial activity of some Cu(II) complexes with N, N'-Bis-(pyridine-2-yl-methylene)- 3,3'- dimethylbenzidine Schiff base (2012) International Journal of Pharmacy and Technology, 4 (2), pp. 4436-4450.
- citad de art. Uzair, B.; Mena, F.; Khan, B. A.; Mohammad, F. V.; Ahmad, V. U.; Djeribi, R.; Mena, B. Isolation, purification, structural elucidation and antimicrobial activities of kocumarin, a novel antibiotic isolated from actinobacterium Kocuria marina CMG S2 associated with the brown seaweed Pelvetia canaliculata. Microbiol. Res. 2018, 206, 186–197.
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- citad de art. Nuță, D.C., Chifiriuc, C.B., Missir, A.V., Chiriță, I.C., Bădiceanu, C.D. In vitro evaluation of the antibacterial and antifungal activity of some new N-(2-dialkylaminoethyl)benzanilides (2010) Farmacia, 58 (1), pp. 38-45.
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17. Chiriță, I.; Missir, A. L.; Limban, C.; Nițulescu, G. M. Synthesis of some substituted 2-methyl-3-R-methyl-quinazolinyl-4-ones. Timisoara Medical Journal 2005, 55, supl.5, 39- 41. ISSN 1583- 5251.
18. Morușciag, L.; Nițulescu, G. M. Synthesis of new potential antidepressant agents with dibenzocycloheptatrienic structure. Timisoara Medical Journal 2005, 55, supl.5, 45-47. ISSN 1583-5251.

### Membru în colective editoriale (de redacție)

Colectivul Editorial al revistei Journal of Modern Medicinal Chemistry (BDI)

Colectivul Editorial al revistei Trends in Toxicology and Related Sciences (BDI)

### Recenzor (reviewer) pentru reviste CNCSIS (cel puțin categoria B) sau reviste cotate ISI/BDI

Am analizat și recenzat un număr de **71 de manuscrite** pentru 21 reviste ISI (FI - factorul de impact conform 2015 edition of Journal Citation Reports) și 3 reviste BDI:

- Medicinal Chemistry Research (IF: 1,44; 15 recenzii)
- European Journal of Medicinal Chemistry (IF: 3,90; 12 recenzii)
- International Journal of Molecular Sciences (IF: 3,26; 13 recenzii)
- European Journal of Pharmaceutical Sciences (IF: 3,77; 7 recenzii)
- Food and Chemical Toxicology ( IF: 3,58; 5 recenzii)
- Molecules (IF: 2,47; 4 recenzii)
- Arabian Journal of Chemistry (IF: 3,61; 3 recenzii)
- Mini-Reviews in Medicinal Chemistry (IF: 2,84; 3 recenzii)
- Oncology Letters (IF: 1,39; 2 recenzii)
- International Journal of Oncology (IF: 3,08; 1 recenzie)
- Applied Organometallic Chemistry ( IF: 2,45; 1 recenzie)
- Clinical and Translational Oncology ((IF: 2,08; 1 recenzie)

- Current Organic Synthesis (IF: 2,05; 1 recenzie)
- Current Organic Chemistry (IF: 1,95; 1 recenzie)
- Chinese Journal of Chemistry (IF: 1,87; 1 recenzie)
- Research on Chemical Intermediates (IF: 1,83; 1 recenzie)
- Medicinal Chemistry (IF: 1,46; 1 recenzie)
- Springerplus (IF: 0,98; 1 recenzie)
- Letters in Drug Design & Discovery (IF: 0,97; 1 recenzie)
- Phosphorus, Sulfur, and Silicon and the Related Elements (IF: 0,72; 1 recenzie)
- Bulgarian Chemical Communications (IF: 0,23; 1 recenzie)
- Journal of International Research in Medical and Pharmaceutical Sciences (BDI; 1 recenzie)
- Journal of Modern Medicinal Chemistry (BDI; 1 recenzie)
- American Chemical Science Journal (BDI; 1 recenzie)

### **Premii/distincții naționale**

#### **8 premii naționale**

1. Premiului pentru „Exelență în Cercetare Farmaceutică” în cadrul Galei Farmaciștilor ediția a IV-a, 2015, acordat de către Colegiul Farmaciștilor din România.
2. Synthesis of new pyrazole derivatives and their anticancer evaluation (2010), Premiu UEFISCDI zona roșie
3. Nitulescu, G.M., Draghici, C., Olaru, O.T. (2013). New potential antitumor pyrazole derivatives: synthesis and cytotoxic evaluation. *Int. J. Mol. Sci.*, 14(11), 21805-21818. (zona galbenă; cod: PN-II-RU-PRECISI-2014-8-5187)
4. Anuta V, Nitulescu GM, Dinu-Pîrvu CE, Olaru OT. Biopharmaceutical profiling of new antitumor pyrazole derivatives. *Molecules* 19, 2014, p. 16381-16401. doi:[10.3390/molecules191016381](https://doi.org/10.3390/molecules191016381) (zona galbenă; cod: PN-II-RU-PRECISI-2015-9-8088)
5. Olaru OT, Nitulescu GM, Ortan A, Dinu-Pirvu CE. Ethnomedicinal, Phytochemical and Pharmacological Profile of *Anthriscus sylvestris* as an Alternative Source for Anticancer Lignans. *Molecules* 20, 2015, p. 15003-15022. doi:[10.3390/molecules200815003](https://doi.org/10.3390/molecules200815003) (zona galbenă; cod: PN-II-RU-PRECISI-2015-9-8076)
6. Nitulescu GM, Draghici C, Olaru OT, Matei L, Aldea I, Dragu LD, Bleotu C, Synthesis and apoptotic activity of new pyrazole derivatives in cancer cell lines. *Bioorganic & Medicinal Chemistry* 5799-5808. (zona roșie; cod: PN-II-RU-PRECISI-2015-9-8324).
7. Nitulescu G, Zanfirescu A, Olaru OT, Nicorescu IM, Nitulescu GM, Margina D. Structural analysis of sortase A inhibitors. *Molecules*, 2016, 21(11): 1591. DOI: [10.3390/molecules21111591](https://doi.org/10.3390/molecules21111591) (zona galbenă; cod: PN-III-P1-1.1-PRECISI-2017-14185)
8. Olaru OT, Venables L, Nitulescu G, Koekemoer T, Nitulescu GM, van de Venter M. Antiproliferative assay of *Euphorbia* species extracts on human cancer cell lines. *Maedica – Journal of Clinical Medicine*, Volume 11, Supplement, 2016. p. 13. ISSN: 2501-6903. Lucrare premiată la Young Investigator Award, Congresul UMF Carol Davila, București, iunie 2016.

### **Prezentări invitate în plenul unor manifestări științifice internaționale**

1. **Nițulescu, G. M.** Modern Strategies of Drug Design and Discovery, 22 Septembrie 2011, Faculty of Science, Palacký University and Institute of Experimental Botany, Olomouc, Cehia.

### **Prezentări invitate în plenul unor manifestări științifice naționale**

1. **Nițulescu, G. M.**, Predictive Methods in Toxicology. Challenges and Perspectives, Congresul National de Toxicologie, 03-04 octombrie 2017, București, pag 45, ISSN 2601-1077.
2. **Nițulescu, G. M.**, Perspective complementare și interdisciplinare în descoperirea de medicamente anticanceroase (Complementary and interdisciplinary perspectives in anticancer drug discovery), Congresul UMF Carol Davila, ediția a 5-a, 29-31 mai 2017, București, *Maedica a Journal of Clinical Medicine*, 12 (Supp. 2017).
3. **Nițulescu, G. M.** Cariera universitară - între didactic și cercetare, Școala de Vară SSFB - ediția a VI-a „Oportunitățile studentului farmacist”, 1-5 august 2014, Sibiu.
4. **Nițulescu, G. M.** Boli cu transmitere prin vectori, “Small bite, big threat”, 7 aprilie 2014, București.

5. **Nițulescu, G. M.** Medicamente vechi, tratamente noi, Gala FASFR „Medicamentul sub lupa farmacistului”, 1-4 Decembrie 2013, București.
6. **Nițulescu, G. M.** Utilizările off-label între inovare și siguranța pacientului, SSFB Summer School, 26-30 iulie 2013, Eforie Nord.
7. Chiriță, I. C.; Missir, A. V.; Morușciag, L.; Limban, C.; Stecoza, C. E.; Nuță, D. C.; **Nițulescu, G. M.**; Bădiceanu, C. D.; Cioroianu, D. M. Strategies for obtaining some biological active analogues, Congresul Național de Farmacie, 13-16 octombrie 2010, Târgu-Mureș.

#### **Membru în comitet de organizare manifestări științifice naționale**

1. Comitetul științific - Congresul Național de Farmacie din Romania - CNFR 2016, 28 septembrie - 01 octombrie, București, România

#### **Membru în comisii de doctorat**

1. Referent prin decizia CSUD al UMF Carol Davila, nr. 18850/06.07.2015. Teza: Cercetarea și dezvoltarea unor metode complementare pentru evaluarea agregării plachetare și eritrocitare, 24.11.2015, Doctorand: Sârbu Iulian, Conducător: Constantin Mircioiu
2. Referent prin decizia CSUD al UMF Carol Davila, nr. 23896/06.09.2016. Teza: Similaritatea între condițiile pe frontieră și condițiile la interfețe în abordarea cantitativă a farmacocineticii și efectului farmacodinamic, 28.09.2016, Doctorand: Amzoiu Manuel Ovidiu, Conducător: Constantin Mircioiu

#### **Participare la 42 de manifestări științifice**

1. Simpozionul Internațional Prioritățile Chimiei pentru o Dezvoltare Durabila - PRIOCHEM XIII – 2017, 25-27 octombrie 2017, București
2. Congresul National de Toxicologie, 03-04 octombrie 2017, București
3. Congresul UMF Carol Davila, ediția a 5-a, 29-31 mai 2017, București
4. 6th FIP Pharmaceutical Sciences World Congress 2017, 21-24 mai 2017, Stockholm
5. Simpozionul Internațional Prioritățile Chimiei pentru o Dezvoltare durabilă - PRIOCHEM, Ediția a XII-a, 27-28 octombrie 2016, București, România.
6. Congresului National de Farmacie din Romania - CNFR 2016, 28 septembrie - 01 octombrie, București, România.
7. Eurotox2016, 4-7 septembrie 2016, Seville, Spania
8. 15th Belgian Organic Synthesis Symposium, 10-15 iulie 2016, Antwerp, Belgia.
9. Conferința Națională de Farmacie Clinică, Prima Ediție “Farmacia Clinică – Noi frontiere”, 17-18 iunie 2016, Bucuresti
10. Congresul Universității de Medicina si Farmacie Carol Davila Bucuresti, Ediția a 4-a, 2-4 iunie 2016, Bucuresti, Congres Stiintific cu participare internatională.
11. Simpozionul Internațional Prioritățile Chimiei pentru o Dezvoltare durabilă - PRIOCHEM, 29-30 octombrie 2015, București.
12. Simpozionul „Solutions and innovations for the pharmaceutical industry”, 28-29 octombrie 2015, București.
13. Congresul Internațional „From Science to Guidance and Practice”, 19-21 octombrie 2015, București.
14. Congresul Național de Toxicologie, cu participare internațională, „Toxicologia la confluența dintre domenii”, 16-18 octombrie 2015, București.
15. Conferința internațională „Research People and Actual Tasks on Multidisciplinary Sciences”, 24-28 iunie 2015, Lozenec, Bulgaria.
16. Congresul Universității de Medicina si Farmacie Carol Davila Bucuresti, Ediția a 3-a, 28-30 mai 2015, Bucuresti, Palatul Parlamentului, Congres Stiintific cu participare international.
17. Simpozionul Internațional Prioritățile Chimiei pentru o Dezvoltare durabilă - PRIOCHEM, 30-31 oct. 2014, București.
18. Congresul Național de Farmacie din România, 24-27 septembrie 2014, Iasi, Romania
19. XXIII International Symposium on Medicinal Chemistry, 7-11 septembrie 2014, Lisboa, Portugalia.
20. Conferința „Colaborarea Medic – Farmacist Clinician. O necesitate?”, 11 aprilie 2014, București.
21. 26th International Symposium on Organic Chemistry of Sulfur, 24-29 august 2014, Istanbul, Turcia.
22. 2nd International Conference on Pharmaceutical Sciences Sharing a vision - Towards better & Safe medicines, 25-26 octombrie 2013, Zagreb, Croatia.
23. Simpozionul aniversar dedicat împlinirii a 90 de ani de la înființarea Facultății de Farmacie din București, 2 octombrie 2013, București.

24. Simpozionul aniversar dedicat Acad. Prof. Dr. doc. Dumitru Dobrescu, cu ocazia împlinirii vârstei de 85 de ani, București, 30 martie 2012, București.
25. 4th BBBB-Bled International Conference on Pharmaceutical Sciences, 29 septembrie - 1 octombrie, 2011, Bled, Slovenia.
26. 36rd FEBS Congress and 12th IUBMB Conference, 25- 30 Iunie, 2011, Torino, Italia.
27. Congresul Național de Farmacie, ediția a XIV-a, 13-16 octombrie 2010, Târgu-Mureș.
28. 19th European Congress of Clinical Microbiology and Infectious Diseases, 16-19 Mai, 2009, Helsinki, Finlanda.
29. 33rd FEBS Congress and 11th IUBMB Conference, Atena, 28 iunie- 03 iulie, 2008.
30. 18th European Congress of Clinical Microbiology and Infectious Diseases, 19-22 aprilie 2008, Barcelona, Spania.
31. Conferința Internațională „Educație și creativitate pentru o societate bazată pe cunoaștere”, 22-23 noiembrie 2007, București.
32. 13th Panhellenic Pharmaceutical Congress, 12-14 mai 2007, Atena, Grecia
33. 4th Symposium with International Participation Drug Reaserch between Information and Life Sciences, 19- 20 octombrie 2006, București.
34. Congresul Național de Farmacie, ediția a XIII-a, „O farmacie puternică într-o Românie europeană”, 28-30 septembrie 2006, Cluj-Napoca
35. Simpozionul aniversar „10 ani de învățământ farmaceutic universitar craiovean (1996-2006)”, 18-20 mai 2006, Craiova.
36. Simpozionul “Actualități în Chimia Medicamentului”, 4 noiembrie 2005, București
37. Simpoziunul Internațional „Hands on Dissolution Workshop”, 6-7 octombrie 2005, București
38. „Life Sciences – let’s join the European Research. Last call for proposals in the FP6”, 29-30 septembrie 2005, Poznan, Polonia.
39. Simpozionul „Farmacia astăzi, între promovare și cercetare”, 26-28 mai 2005, Timișoara, România.
40. The second simposium „New resources in pharmaceutical industry”, 27-30 mai 2004, Constanța, România.
41. International Regulatory workshop on bioequivalence and dissolution, 4-5 decembrie 2003, București.
42. The first simposium „New resources in pharmaceutical industry”, 5-8 iunie 2003, Constanța.

#### **Participarea efectivă în cadrul concursurilor de admitere/an**

Comisii de supraveghere: 2003, 2004, 2005, 2007, 2008, 2009, 2010, 2011

Operator: 2012, 2013 (Fac. de Farmacie), 2013 (Fac. de Medicină Dentară), 2014, 2015, 2016

#### **Participarea efectivă în cadrul concursurilor de rezidențiat/an**

Comisii de supraveghere: 2005 (Medicină), 2012 (Medicină – șef de sală), 2013 (Farmacie)

Comisii tehnice: 2014, 2015, 2016, 2017