

INFORMAȚII PERSONALE

ANTAL Diana-Simona



📍 Universitatea de Medicină și Farmacie „Victor Babeș” Timișoara, P-ța. E. Murgu nr. 2, 300041 Timișoara, Romania

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Sexul F | Anul nașterii 1977

EXPERIENȚA PROFESIONALĂ

2018 **Abilitare în domeniul de studii universitare de doctorat Farmacie**  
(OM 3829/4.06.2018)

2015-prezent **Profesor la disciplina de Botanică farmaceutică**

2008 - 2015 **Șef de lucrări la disciplina de Botanică farmaceutică**

Universitatea de Medicină și Farmacie “Victor Babeș” Timișoara, Facultatea de Farmacie, P-ta E. Murgu nr. 2, Timișoara

**Principalele activități și responsabilități**

- Susținerea cursurilor și efectuarea lucrărilor practice de Botanică farmaceutică pentru studenți (secțiile română și franceză) și asistenții de farmacie;
- Susținerea cursurilor în cadrul programelor de studii masterale ale Facultatii de Farmacie UMFT;
- Susținerea de cursuri postuniversitare;
- Coordonarea lucrărilor de diplomă a studenților și masteranzilor;
- Cercetare.

august 2007- august 2008 **Cercetator - grant P18379 al Fondului pentru Promovare a Cercetării Științifice din Austria (FWF) *Inhibitori ai acetilcolinesterazei din plante (Inhibitors of acetylcholinesterase from plants)***

Institut für Pharmazie/Pharmakognosie, Leopold-Franzens Universität Innsbruck, Innrain 52, 6020 Innsbruck, Austria

**Principalele activități și responsabilități**

Analiza fitochimică a unor extracte vegetale cu acțiune inhibitoare a acetilcolinesterazei; izolarea substanțelor active, elucidarea structurii chimice a acestora cu ajutorul metodelor spectroscopice (RMN 1D și 2D, LC-MS).

2006-2007 **Sef lucrări la Disciplina Biologie vegetală/Botanică Farmaceutică**

Universitatea de Medicină și Farmacie “Victor Babeș” Timișoara, Facultatea de Farmacie, P-ta E. Murgu, nr.2, Timișoara

**Principalele activități și responsabilități**

- Susținerea lucrărilor practice de Biologie vegetală;
- Susținerea cursului de Biologie vegetală și a celui de Introducere în cercetarea și documentația științifică (secțiile română și franceză);
- Coordonarea lucrărilor de diplomă ale studenților.

- 2004-2006 **Asistent universitar la Disciplina Botanică Farmaceutică**  
Universitatea de Medicină și Farmacie “Victor Babeș” Timișoara, Facultatea de Farmacie, P-ta E. Murgu, nr.2, Timișoara
- Principalele activități și responsabilități**
- Susținerea lucrărilor practice la secțiile română și franceză;
  - Susținerea cursurilor de Botanică și de Introducere în Cercetarea și documentația Științifică.
- 2001-2004 **Preparator universitar la Disciplina Botanică Farmaceutică**  
Universitatea de Medicină și Farmacie “Victor Babeș” Timișoara, Facultatea de Farmacie, P-ta E. Murgu, nr.2, Timișoara
- Principalele activități și responsabilități**
- Susținerea lucrărilor practice la secțiile română și franceză;
  - Pregătirea materialului didactic.
- 2000-2001 **Farmacist stagiar la Spitalul Județean nr.1 Timișoara - Farmacia “Bega”**  
Farmacia „Bega”, Str. Dr. Victor Babeș nr. 12, Timișoara
- Principalele activități și responsabilități**
- Realizarea unor preparate farmaceutice conform prescripțiilor medicale destinate pacienților internați

## EDUCAȚIE ȘI FORMARE

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- 2013-2015 **Modul psihopedagogic I și II**  
Universitatea de Vest Timișoara
- Domenii principale studiate / competențe dobândite**
- Metode didactice
- 2014-2015 **Master in Formularea și evaluarea produsului dermato-cosmetic**  
Universitatea de Medicină și Farmacie Victor Babeș Timișoara
- Domenii principale studiate / competențe dobândite**
- Ingredientele și formularea produselor de uz dermato-cosmetic; fiziopatologia pielii
- 2012, 2013 **Diplôme universitaire de Nutrition, Diététique et Santé**  
Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, Franța
- Domenii principale studiate / competențe dobândite**
- Nutriția diferitelor patologii, Nutriție pediatrică, Micronutriție
- 2002-2005 **Doctor în Farmacie (Ordinul Ministrului 4802/15.08.2005)**  
Universitatea de Medicină și Farmacie Târgu Mureș, România
- Domenii principale studiate / competențe dobândite**
- Analiza conținutului în elemente minerale al plantelor medicinale
  - Cartarea și cartografierea principalelor specii medicinale din Munții Aninei
- 2003-2005 **Rezidențiat în specialitatea Farmacie generală, cu obținerea diplomei de Farmacist specialist (Nr. VIII (d) MC/5254/2005)**  
Universitatea de Medicină și Farmacie Victor Babeș Timișoara
- Domenii principale studiate / competențe dobândite**
- Aprofundarea cunoștințelor de Farmacologie, Tehnologie farmaceutică, Farmacognozie, Informatică medicală

- 2001; 2003 **Biologie et Pathologies Moléculaires. Biotechnologies**  
Universitatea "Al. I. Cuza" din Iași sub patronajul Academiei Române și Academiei de Științe din Paris, al Ministerului Educației Naționale, Cercetării și Tehnologiei din Franța și Ambasadei Franței în România (25 iunie-7 iulie 2001 și 30.06.-12.07.2003)  
**Domenii principale studiate / competențe dobândite**  
-tehnici utilizate in biologia moleculară
- 1995-2000 **Licențiat în Științe Farmaceutice**  
Universitatea de Medicină și Farmacie Victor Babeș Timișoara  
**Domenii principale studiate / competențe dobândite**  
- Dobândirea cunoștințelor teoretice și practice necesare exercitării profesiei de farmacist
- 1991-1995 **Diplomă de Bacalaureat**  
Liceul teoretic Nikolaus Lenau Timișoara  
**Domenii principale studiate / competențe dobândite**  
- profil Chimie–Biologie, cu predarea materiilor în limba germană

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**COMPETENTE PERSONALE**

- Limbi vorbite** Germană (Deutsches Sprachdiplom), franceză (DALF C2), engleză, maghiară
- Competențe organizaționale/manageriale** Coordonator al disciplinei de Botanică farmaceutică - conducere lucrări de diplomă, alcătuire de cursuri pentru studenți și masteranzi, structurare teme de cercetare, concepere și administrarea proiectelor de cercetare  
Director Departament I al Facultatii de Farmacie incepand cu anul universitar 2017/2018
- Competență digitală** Operare în Windows: Word, Excel, Photoshop; folosire MestRec
- Permis de conducere** Categoria B

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**INFORMATII SUPLIMENTARE**

Proiecte **Director de proiect**

- **“Nanostructuri cu aurone, chalcone și extracte vegetale standardizate: dezvoltarea unui nou prototip de agent chemopreventiv și antiinflamator”**, proiect bilateral internațional România-Franța, în colaborare cu Laboratorul de Farmacognozie al Facultății de Farmacie a Universității din Marseille, contract RO-FR 789/30.06.2014  
Sursa de finanțare: UEFISCDI

**Membru în proiecte de cercetare**

- **Hemmstoffe der Acetylcholinesterase in Pflanzen** (Inhibitori ai acetilcolinesterazei din plante), FWF nr. 18379  
Director de proiect: Prof. univ. habil. Dr. Hermann Stuppner, Universitatea Leopold-Franzens din Innsbruck, Austria  
Sursa de finanțare: Fondul pentru Promovare a Cercetării Științifice din Austria - FWF (Fonds zur Förderung der wissenschaftlichen Forschung)
- **Bridge No. 810059**  
Director de proiect: Prof. univ. habil. Dr. Judith Maria Rollinger, Universitatea Leopold-Franzens din Innsbruck, Austria  
Sursa de finanțare: Societatea de Dezvoltare a Cercetării din Austria – FFG (Österreichische Forschungsförderungsgesellschaft)
- **Systematische Untersuchungen der Tribus Lactuceae (Studii sistematice asupra tribului Lactuceae)**, FWF 15594.  
Director de proiect: Prof. univ. habil. Dr. Hermann Stuppner, Universitatea Leopold-Franzens din Innsbruck, Austria  
Sursa de finanțare: Fondul pentru Promovare a Cercetării Științifice din Austria - FWF (Fonds zur Förderung der wissenschaftlichen Forschung)
- **Elaborarea unor bioproduse cu compuși triterpenici și ciclodextrine și analiza eficacitate/nocivitate a acestora în patologii cutanate**  
CNCSIS AT 173/2007  
Director de proiect: Prof. univ. Dehelean Cristina  
Sursa de finanțare: CNCSIS
- **Studiul bioactivității sinergice a alimentelor funcționale antioxidante în reversibilitatea sindromului metabolic**  
CEEX 10 / 7.10.2005  
Director de proiect: Prof. univ. Dr. Drăgan Simona - UMF Timișoara  
Sursa de finanțare: Programul : Cercetare de Excelență, categorie de proiect : Modul I, D02
- **Impactul alimentelor funcționale cu componente bioactive antioxidante asupra calității vieții în cancerul mamar**  
CNCSIS 27690/14.03.2005  
Director de proiect: Prof. univ. Dr. Drăgan Simona - UMF Timișoara  
Sursa de finanțare: CNCSIS
- **Training of European Phytotherapists for Discovery of New Medications**  
RO/2004/PL 93056/TD  
Director de proiect: Prof. univ. Dr. Cristescu Carmen - UMF Timișoara  
Sursa de finanțare: Program Leonardo da Vinci

## Proiecte educaționale și de formare continuă

- **Stagiu de perfecționare**  
Locul derulării: Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, Franța
- **Programul de Colaborare al Academiei Române cu Academia de Științe Ungare, Academia Bulgară și Academia Serbia**  
Tema de cercetare : Chemotaxonomia familiei *Lamiaceae* și *Ranunculaceae*.  
Subtema pentru anul 2004: Studiu ecologic și fitochimic al speciilor de *Aconitum*  
Coordonator: Prof. univ. Csedo Karoly, Facultatea de Farmacie din Târgu Mureș

## Recunoaștere profesională

- **Cadru didactic invitat**  
Instituția: Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, Franța
- **Diploma de Excelență**  
pentru activitatea de cercetare științifică și tehnologică desfășurată în cadrul cooperării bilaterale România-Franța, Programul „Brancuși – Hubert Curien”, emisă la 21.11.2016 de Ambasada Franței în România și Autoritatea Națională pentru Cercetare Științifică și Inovare
- **Profesor Bologna**  
Distincție pentru performanța didactică din partea Alianței Naționale a Organizațiilor Studentești din România (19.05.2017).
- **Reviewer**  
Molecules, Notulae Botanicae Horti Agrobotanici Cluj-Napoca, Evidence Based Complementary and Alternative Medicine, Pharmacological Research, International Journal of Molecular Sciences, Environmental Pollution, Recent Patents on Drug Delivery and Formulation

## ANTAL DIANA SIMONA – LISTA PUBLICATIILOR

### TEZA DE ABILITARE (domeniul FARMACIE)

„Contributions to the scientifically validated valorization of plants employed in traditional phytoterapy”, susținută la 3. mai 2018, Universitatea de Medicină și Farmacie din Tîrgu Mureș. Atestatul de abiliare în domeniul de studii universitare de doctorat Farmacie a fost acordat prin Ordinul Ministrului Educației Naționale nr. 3829/04.06.2018.

### TEZA DE DOCTORAT (domeniul FARMACIE)

„Cercetări privind conținutul în elemente minerale al plantelor medicinale din Munții Aninei”, susținută la 16 iunie 2005, Universitatea de Medicină și Farmacie din Tîrgu Mureș. Titlul de doctor a fost acordat prin Ordinul Ministrului Educației și Cercetării nr. 4802/15.08.2005.

### CĂRȚI

1. Coste I, **Antal DS**. Botanică farmaceutică. Sistematica plantelor, Ed. Orizonturi Universitare, Timisoara, ISBN 973-638-153-6, 280 pg., 2004
2. Coste I, **Antal DS**. Botanique pharmaceutique, Ed. Orizonturi Universitare, Timisoara, ISBN 973-638-182-X, 286 pg., 2005.
3. **Antal DS**. Biologie vegetală pentru studenții Facultății de Farmacie, Ed. Mirton, Timisoara, ISBN 978-973-52-0148-7, 341 pg., 2007.
4. **Antal DS**. Practicum de Biologie vegetală farmaceutică, Ed. Mirton, Timisoara, ISBN 978-973-52-0607-9, 434 pg., 2009.
5. **Antal DS**. Specii vegetale și fitocompuși de interes dermato-cosmetic, Ed. Mirton, Timisoara, ISBN 978-973-52-0673-4, 266 pg., 2009.
6. **Antal DS**, Dobrea CM. Curs de Botanică farmaceutică. Citologie, histologie, morfologie și anatomie vegetală. Editura Mirton, Timișoara, ISBN 978-973-52-1102-8, 282 pg., 2011.
7. **Antal DS**, Ollivier E. (editori) Natural products as a source of compounds with chemopreventive and anti-inflammatory activity. Abstracts of the international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014”, Editura Victor Babes, ISBN 978-606-8456-67-6, Timisoara, 53 pg., 2015.
8. **Antal DS**, Ollivier E. (editori) Phytocompounds and extracts from biodiversity: scaffolds for new products with anti-inflammatory and chemopreventive activity. Abstracts of the second international workshop of the Romanian-French bilateral project PN II-CT- 789/30.06.2014”, Editura Victor Babes, Timisoara, ISBN 978-606-786-024-5, 51 pg., 2016.
9. **Antal DS**, Palici I, Ardelean F. Teste de Biologie pentru admiterea la Facultatea de Farmacie, Editura Victor Babes, Timișoara, ISBN 978-606-786-038-2, 225 pg., 2017.
10. **Antal DS**, Ardelean F. Angiosperme medicinale: actualități farmacobotanice, Editura Victor Babes, Timisoara, ISBN 978-606-786-103-7, 2018

### CAPITOLE DE CĂRȚI

1. Danciu C, Soica C, **Antal D**, Popescu A, Ghiulai R, Pavel IZ, Avram S, Minda D, Dehelean C. An Update On Natural Compounds and Their Modern Formulations for the Management of Malignant Melanoma. In: Badria FA (editor) „Natural Products and Cancer Drug Discovery”, InTech, ISBN 978-953-51-3314-8, Print ISBN 978-953-51-3313-1, published July 5, 2017, DOI: [10.5772/67647](https://doi.org/10.5772/67647)
2. Soica C, **Antal D**, Andrica F, Babuta R, Moaca A, Ardelean F, Ghiulai R, Avram S, Danciu C, Coricovac D, Dehelean C., Paunescu V. Lupan-skeleton pentacyclic triterpenes with activity against skin cancer: preclinical trials evolution. In: Latosinska JN (editor) Unique Aspects of Anti-cancer Drug Development, InTech, ISBN 978-953-51-3348-3, Print ISBN 978-953-51-3347-6, published July 12, 2017, DOI: [10.5772/intechopen.68908](https://doi.org/10.5772/intechopen.68908)
3. Danciu C, **Antal DS**, Ardelean F, Chiș AR, Șoica C, Andrica F, Dehelean C. New Insights Regarding the Potential Health Benefits of Isoflavones. In: Justino GC (editor) „Flavonoids – From Biosynthesis to Human Health”, InTech, ISBN 978-953-51-3424-4, Print ISBN 978-953-51-3423-7, published August 23, 2017, DOI: [10.5772/67896](https://doi.org/10.5772/67896)

## ARTICOLE IN EXTENSO PUBLICATE IN REVISTE INDEXATE ISI

### AUTOR PRINCIPAL

1. **Antal DS**, Ardelean F, Chis AR, Ollivier E, Serban MC. Nanoscale Delivery Systems: Actual and Potential Applications in the Natural Products Industry. *Current Pharmaceutical Design* 2017; 23(17):2414-2421, IF (2017) = 2.757, Q2 în categoria WOS "Pharmacology & Pharmacy"  
<http://www.eurekaselect.com/150274/article>
2. Ardelean F, Susan R, Borcan F, Moaca A, **Antal DS\***, Soica C, Moldovan R, Berceanu Vaduva D, Marti D. Synthesis and physico-chemical evaluation of polyurethane microstructures for transmembrane delivery of *Reynoutria japonica* extract. *Materiale Plastice* 2017; 54(4):651-654, IF (2017) = 1.248.  
<http://www.revmaterialeplastice.ro/pdf/12%20ARDELEAN%20F%204%2017.pdf>
3. **Antal DS**, Pinzaru I, Borcan F, Marti TD, Ledeti I, Coricovac D, Schwaiger S, Stuppner H, Dehelean CA, Ollivier E, Soica C. Inclusion complexes of the aurone sulfuretin and the chalcone butein from *Cotinus coggygria* wood in two cyclodextrin types: first data on physico-chemical properties. *Revista de Chimie* 2016, 67 (6):1104-1109. IF (2016) = 1.232.  
<http://www.revistadechimie.ro/pdf/ANTAL%20D%206%2016.pdf>
4. **Antal DS**, Ardelean F, Pinzaru I, Borcan F, Ledeti I, Coricovac D, Zupko I, Baghdikian B, Ollivier E, Soica C, Bolinteanu SL. Effects of cyclodextrin complexation on the anti-cancer effects of *Cotinus coggygria* extract and its constituents, butein and sulfuretin. *Revista de Chimie* 2016, 67 (8): 1618-1622. IF (2016) = 1.232.  
<http://www.revistadechimie.ro/pdf/ANTAL%208%2016.pdf>
5. **Antal D.S.**, Vlaia V., Dehelean CA., Vlaia L., Trandafirescu C., Ardelean F., Pinzaru I., Ionescu D. Zinc Across Medicinal Plants from Romanian Biodiversity and the Implications for Human Health. *Revista de Chimie* 2015; 66 (2): 236-239. IF (2015) = 0.956.
6. **Antal DS**, Citu Cosmin, Ardelean Florina, Dehelean Cristina, Vlaia Lavinia, Soica Codruta, Vlaia Vicentiu, Biris Marius, Sas Ioan. Metallome of *Origanum vulgare*: the unknown side of a medicinal and aromatic plant used worldwide. *Farmacia* 2015; 63(4): 534-538 IF (2015)=1.162.  
[http://www.revistafarmacia.ro/201504/art-10-Antal\\_Diana\\_534-538.pdf](http://www.revistafarmacia.ro/201504/art-10-Antal_Diana_534-538.pdf)
7. Vlaia V, Pinzaru I, Coricovac D, Andoni M, Borcan F, **Antal DS**. Uptake of thallium by medicinal plants: first data for Romanian flora and significance to human health. *Revista de Chimie* 2014; 65 (10): 1158-1162. IF (2014) = 0.810  
<http://www.revistadechimie.ro/pdf/VLAIA%20V.pdf%2010%2014.pdf>
8. Trandafirescu C, **Antal DS\***, Soica C, Zupko I, Minorics R, Ambrus R, Borcan F, Oprean C, Danciu C, Avram S, Dehelean C, Nita S, Vlaia L. Cyclodextrin complexes of oleanolic and ursolic acid. Physico-chemical and biological preliminary evaluation. *Revista de Chimie* 2014; 65 (10): 1163-1167. IF (2014) = 0.810.  
<http://www.revistadechimie.ro/pdf/TRANDAFIRESCU%20C.pdf%2010%2014.pdf>
9. Danciu C, Coricovac DE, Soica C, Dumitrascu V, Simu G, **Antal DS\***, Lajos K, Dehelean CA, Borcan F. Evaluation of skin physiological parameters in SKH1 mice experimental model after exposure to aggressive factors like UVB using non-invasive methods. *Revista de Chimie* 2014; 65 (10): 1195-1199. IF (2014) = 0.810.  
<http://www.revistadechimie.ro/pdf/DANCIU%20C.pdf%2010%2014.pdf>
10. **Antal DS**, Coricovac D, Soica CM, Ardelean F, Pinzaru I, Danciu C, Vlaia V, Toma C. High cadmium content in wild-growing medicinal plants from South-Western Romania. Unexpected results of a survey on 29 species. *Revista de Chimie* 2014; 65 (9): 1122-1125. IF (2014) = 0.810.  
<http://www.revistadechimie.ro/pdf/ANTAL%20D.pdf%208%2014.pdf>
11. **Antal DS**, Schwaiger S, Ellmerer-Müller EP, Stuppner H. *Cotinus coggygria* wood: Novel flavanone dimer and development of an HPLC/UV/MS method for the simultaneous determination of fourteen phenolic constituents. *Planta Medica* 2010; 76(15): 1765-1772. IF (2010) = 2.369, Q1 în categoria WOS "Plant Science"/2010

- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3524418/>
12. **Antal DS**, Dehelean CA, Peev CI, Anke M. Rubidium in Medicinal Plants: Contribution to the Research of a Potentially Essential Element. *Revista de Chimie* 2009; 60 (2): 156-159. IF (2009) = 0.552  
<http://www.revistadechimie.ro/pdf/ANTAL%20D..pdf>
  13. Peev CI, Vlase L\*, **Antal DS\***, Dehelean CA, Szabadai Z. Determination of some polyphenolic compounds in buds of *Alnus* and *Corylus* species by HPLC. *Chemistry of Natural Compounds* 2007; 43(3): 259-262. IF(2007) = 0.442.  
<https://link.springer.com/content/pdf/10.1007%2Fs10600-007-0100-7.pdf>
  14. Dehelean CA, Cînta-Pînzaru S, Peev C, Soica C, **Antal DS**. Characterization of birch tree leaves, buds and bark dry extracts with antitumor activity. *J Optoelectr. Adv. Mat* 2007; 9 (3): 783-787. IF (2007) = 0.827.  
[https://www.researchgate.net/profile/Simona\\_Cinta\\_Pinzaru/publication/256437965\\_Characterisati\\_on\\_of\\_birch\\_tree\\_leaves\\_buds\\_and\\_bark\\_dry\\_extracts\\_with\\_antitumor\\_activity/links/5554992a08aeaaf3bf2ea6d.pdf](https://www.researchgate.net/profile/Simona_Cinta_Pinzaru/publication/256437965_Characterisati_on_of_birch_tree_leaves_buds_and_bark_dry_extracts_with_antitumor_activity/links/5554992a08aeaaf3bf2ea6d.pdf)
  15. **Antal DS**, Dehelean C, Peev C, Anke M. Analiza arsenului în plantele medicinale prin ICP-MS și evaluarea transferului său în extracte apoase (Analysis of arsenic content in medicinal plants by ICP-MS and assessment of its transfer into aqueous extracts) *Revista de Chimie* 2005; 56 (9): 926-930. IF= 0.278.  
[http://www.revistadechimie.ro/article\\_eng.asp?ID=740](http://www.revistadechimie.ro/article_eng.asp?ID=740)

## COAUTOR

1. Moacă EA, Farcaș C, Ghițu A, Coricovac D, Popovici R, Cărăba-Meiță NL, Ardelean F, **Antal DS**, Dehelean C, Avram Ș. A Comparative Study of *Melissa officinalis* Leaves and Stems Ethanolic Extracts in terms of Antioxidant, Cytotoxic, and Antiproliferative Potential. *Evidence-Based Complementary and Alternative Medicine* 2018 May 16; 2018:7860456. doi: 10.1155/2018/7860456. eCollection 2018, IF (2017): 2.064, Q2 în categoria WOS "Integrative and Complementary Medicine"
2. Danciu C, Soica C, **Antal D**, Ersilia A, Ghiulai R, Pavel I, Ardelean F, Babuta R, Popescu A, Dehelean C. Natural Compounds in the Chemoprevention of Malignant Melanoma. *Anti-cancer Agents in Medicinal Chemistry* 2018; 18(5):631-644, DOI: 10.2174/1871520617666171121142522, IF (2017): 2.556.
3. Ursoniu S, Sahebkar A, Serban MC, **Antal D**, Mikhailidis DP, Cicero A, Athyros V, Rizzo M, Rysz J, Banach M. Lipid-modifying effects of krill oil in humans: systematic review and meta-analysis of randomized controlled trials. *Nutrition Reviews* 2017; 75(5): 361-363, DOI: [10.1093/nutrit/nuw063](https://doi.org/10.1093/nutrit/nuw063), IF(2017) =5.788, Q1 în categoria WOS "Nutrition and Dietetics"
4. Haidu D, Negrea A, Ianasi C, **Antal D**, Sfirloaga P, Kurunczi L. Contradictory aspects of bioaccumulation. ICP-MS, an approachable method for elemental characterization of crop medicinal plants. *Digest Journal of Nanomaterials and Biostructures* 2017; 12 (2). IF(2017)=0.673.  
[http://www.chalcogen.ro/391\\_HaiduD.pdf](http://www.chalcogen.ro/391_HaiduD.pdf)
5. Ardelean F, Vlase L, Mocan AM, Gheldiu AM, **Antal DS**, Trandafirescu C, Marginean O, Dragan S. Supplements with resveratrol, flavonoids and phenolic acids: in-depth HPLC profiling and antioxidant capacity as quality markers. *Revista de Chimie* 2017; 68 (2):401-407. IF (2017) = 1.412.  
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