



## Curriculum vitae



### Informații personale

Nume / Prenume **GAL ADRIAN FLORIN**

Adresă

Telefon Mobil: -

E-mail

Naționalitate

Data nașterii

Sex

masculin

### Locul de muncă

Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca  
Facultatea de Medicină Veterinară  
Disciplina de Biologie celulară, histologie și embriologie veterinară

### Domeniul ocupațional

Medic veterinar

### Experiența profesională

Perioada

2002-2005

Funcția sau postul ocupat

Preparator universitar, Disciplina de Anatomie Patologică, Diagnostic Necropsic și Medicină Legală Veterinară, FMV Cluj-Napoca

Numele și adresa angajatorului

USAMV Cluj-Napoca, Calea Mănăstur nr. 3-5

Tipul activității

Diagnostic Necropsic, Histopatologie, Oncologie, Medicină Legală Veterinară

Perioada

2001 – 2009

Tipul activității

Doctorand fără frecvență

Numele și adresa angajatorului

USAMV Cluj-Napoca, Calea Mănăstur nr. 3-5

Tema tezei de doctorat

Studiul tumorilor mamare la cățea

Coordonator doctorat

Prof. Dr. Alecsandru Ioan Baba

Perioada

2005 - 2008

Funcția sau postul ocupat

Asistent universitar, Disciplina de Anatomie Patologică, Diagnostic Necropsic și Medicină Legală Veterinară, FMV Cluj-Napoca

Numele și adresa angajatorului

USAMV Cluj-Napoca, Calea Mănăstur nr. 3-5

Tipul activității

Diagnostic Necropsic, Histopatologie, Oncologie, Medicină Legală Veterinară

Perioada

2008-2013

Funcția sau postul ocupat

Șef lucr., Disciplina de Anatomie Patologică, Diagnostic Necropsic și Medicină Legală Veterinară, FMV Cluj-Napoca

Numele și adresa angajatorului

USAMV Cluj-Napoca, Calea Mănăstur nr. 3-5

|                                           |                                                                                                                                                                                                                                                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tipul activității                         | Diagnostic Necropsic, Histopatologie, Oncologie, Medicină Legală Veterinară, Biologie celulară, Histologie și embriologie veterinară                                                                                                                           |
| Perioada                                  | 2013 - 2017                                                                                                                                                                                                                                                    |
| Funcția sau postul ocupat                 | Conferențiar, Disciplina de Anatomie Patologică, Diagnostic Necropsic și Medicină Legală Veterinară, FMV Cluj-Napoca                                                                                                                                           |
| Numele și adresa angajatorului            | USAMV Cluj-Napoca, Calea Mănăștur nr. 3-5                                                                                                                                                                                                                      |
| Tipul activității                         | Diagnostic Necropsic, Histopatologie, Oncologie, Medicină Legală Veterinară, Citologie veterinară, Biologie celulară, Histologie și embriologie veterinară                                                                                                     |
| Perioada                                  | din 2017                                                                                                                                                                                                                                                       |
| Funcția sau postul ocupat                 | Profesor universitar<br>2017-septembrie 2018: Disciplina de Anatomie Patologică, Diagnostic Necropsic și Medicină Legală Veterinară, FMV Cluj-Napoca<br>Din octombrie 2018 - Coordonator Disciplina de Biologie celulară, histologie și embriologie veterinară |
| Numele și adresa angajatorului            | USAMV Cluj-Napoca, Calea Mănăștur nr. 3-5                                                                                                                                                                                                                      |
| Tipul activității                         | Anatomie patologică, Diagnostic Necropsic, Histopatologie, Oncologie, Medicină Legală Veterinară, Citologie veterinară, Biologie celulară, Histologie și embriologie veterinară                                                                                |
| <b>Educație și formare</b>                |                                                                                                                                                                                                                                                                |
| Perioada                                  | 1991 – 1995                                                                                                                                                                                                                                                    |
| Diploma obținută/calificarea obținută     | Diplomă de bacalaureat/Tehnician veterinar                                                                                                                                                                                                                     |
| Numele și tipul instituției de învățământ | Liceul Agricol Horea Marghita, jud. Bihor, absolvit ca <i>șef de promoție</i>                                                                                                                                                                                  |
| Perioada                                  | 1995 – 2001                                                                                                                                                                                                                                                    |
| Diploma obținută/calificarea obținută     | Diplomă de licență/Doctor Medic Veterinar<br>Lucrare de licență: Studiul tumorilor mamare la cățea și pisică<br>Coordonator științific: Prof Dr. Alecsandru Ioan BABA                                                                                          |
| Numele și tipul instituției de învățământ | Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca, Facultatea de Medicină Veterinară, absolvit ca <i>șef de promoție</i>                                                                                                                    |
| Perioada                                  | 1995 – 1999                                                                                                                                                                                                                                                    |
| Diploma obținută/calificarea obținută     | Certificat de absolvire - Cursul Departamentului pentru pregătirea profesorilor                                                                                                                                                                                |
| Numele și tipul instituției de învățământ | Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca                                                                                                                                                                                           |
| Perioada                                  | 2001 – 2003                                                                                                                                                                                                                                                    |
| Diploma obținută/calificarea obținută     | Diplomă de Master - Diagnostic Morfopatologic și de Laborator<br>Coordonator științific: Prof Dr. Alecsandru Ioan BABA                                                                                                                                         |
| Numele și tipul instituției de învățământ | Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca, Facultatea de Medicină Veterinară                                                                                                                                                        |
| Perioada                                  | 2001-2009                                                                                                                                                                                                                                                      |
| Diploma obținută/calificarea obținută     | Diploma de Doctor in Stiinte Medical Veterinare<br>Teza de doctorat intitulată «Studiul Tumorilor Mamare la Cățea și Pisică»<br>Conducător Științific Prof. univ. Dr. dr. h.c. Alecsandru Ioan BABA                                                            |
| Numele și tipul instituției de învățământ | Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca<br>Facultatea de Medicină Veterinară                                                                                                                                                      |

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| <b>Aptitudini și competențe personale</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |                            |    |              |    |                  |    |
| Limba maternă                                                     | Română                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |        |    |                            |    |              |    |                  |    |
| Limbi străine cunoscute                                           | Engleză, Spaniolă                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |        |    |                            |    |              |    |                  |    |
|                                                                   | <p>Participare la cursuri de limbi străine – <i>engleză</i>, Centrul de Limbi Moderne Access Cluj-Napoca</p> <p>- General English – early-intermediate level</p> <p>- General English – pre-intermediate level</p> <p>- General English - intermediate level</p> <p>Participare la cursuri de limbi străine – <i>spaniolă</i>, Centrul de Limbi Moderne Heltay</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |        |    |                            |    |              |    |                  |    |
| Autoevaluare                                                      | <b>Înțelegere</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |        |    | <b>Vorbire</b>             |    |              |    | <b>Sciere</b>    |    |
|                                                                   | Ascultare                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    | Citire |    | Participare la conversație |    | Discurs oral |    | Exprimare scrisă |    |
| <i>Limba engleză</i>                                              | E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B2 | E      | B2 | E                          | B2 | E            | B2 | E                | B2 |
| <i>Limba spaniolă</i>                                             | S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A2 | S      | A2 | S                          | A2 | S            | A2 | S                | A1 |
| <b>Cursuri si lucrări practice predate – activitate didactică</b> | <ul style="list-style-type: none"> <li>- Pathological anatomy (curs și laborator linia engleză)</li> <li>- Anatomie patologică (laborator linia română)</li> <li>- Necropsy (curs și laborator linia engleză)</li> <li>- Necropsie (laborator linia română)</li> <li>- Forensic veterinary medicine (curs și laborator linia engleză)</li> <li>- Cellular pathology and comparative oncology (curs și laborator linia engleză)</li> <li>- Patologie celulară și oncologie comparată (curs și laborator linia română)</li> <li>- Cellular biology (curs și laborator linia engleză)</li> <li>- Histology and embryology (curs și laborator linia engleză)</li> <li>- Citologie veterinară (curs și laborator linia română)</li> <li>- Veterinary cytology (curs și laborator linia engleză)</li> <li>- Culturi celulare și tisulare (curs și laborator Biotehnologii medical veterinare)</li> </ul> |    |        |    |                            |    |              |    |                  |    |

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| <p><b>Cărți editate</b></p>                                          | <p><b>Cell Biology and General Histology</b>, Gal Adrian Florin, Miclăuș Viorel, Ed. AcademicPres • 2009. ISBN 978-973-744-167-6</p> <p><b>Histologie Specială și Embriologie Generală</b>, Miclăuș Viorel, Gal Adrian Florin, Ed. Risoprint Cluj-Napoca • 2010. ISBN 978-973-53-0427-0</p> <p><b>Histology</b>, Ed. Risoprint, Cluj-Napoca, Gal Adrian Florin, Miclăuș Viorel, Ed. Risoprint Cluj-Napoca • 2013. ISBN: 978-973-53-0985-5</p> <p><b>Tehnici de anatomie patologică veterinară</b>, Catoi Cornel, Taulescu Marian, Gal Adrian Florin, Bolfă Pompei, Tabaran Flaviu, Nagy Andras, Borza Gabriel, Raluca Vidrighinescu, Alexandra Irimie, Roxana Cora. Ed. AcademicPres Cluj-Napoca, Romania. ISBN 978-973-744-346-5. • 2014. ISBN 978-973-744-346-5.</p> <p><b>Cell Biology</b>, Gal Adrian Florin, Miclăuș Viorel, Ed. AcademicPres • 2015. ISBN 978-973-744-465-3</p> <p><b>Biologie celulară</b>, Miclăuș Viorel, Gal Adrian Florin, Ed. AcademicPres • 2016. ISBN 978-973-744-543-8</p> <p><b>Cell Biology – a guide in practical activities</b>, Gal Adrian Florin, Ruxandra Flavia, Miclăuș Viorel, Ed. AcademicPres • 2016. ISBN 978-973-744-544-5</p> <p><b>Anatomie Patologică Veterinară: Sistemul Urinar, Sistemul Genital, Sistemul Endocrin, Sistemul Osteomuscular, Piele</b>, Adrian Florin GAL, Cornel CĂTOI, Flaviu TĂBĂRAN, Marian TAULESCU - Cluj-Napoca: AcademicPres, 2017, e-ISBN 978-973-744-587-2.</p> <p><b>Anatomie Patologică: Manual pentru Activități Practice</b>, Adrian Florin GAL, Cornel CĂTOI, Marian TAULESCU, Flaviu TĂBĂRAN, Ed. AcademicPres Cluj-Napoca, 2017, e-ISBN 978-973-744-588-6.</p> <p><b>Histologie Generală</b>, Viorel MICLĂUȘ, Adrian Florin GAL, Ed. AcademicPres Cluj-Napoca, 2017, e-ISBN 978-973-744-630-5</p> <p><b>Histologie Specială și Embriologie generală</b>, Viorel MICLĂUȘ, Adrian Florin GAL, Vasile RUS, Flavia Ruxanda, Ed. AcademicPres Cluj-Napoca, 2017, e-ISBN</p> <p><b>Histologie Generală - Manual Pentru Activități Practice</b>. 2019, Adrian Florin GAL, Vasile RUS, Editura AcademicPres, Cluj-Napoca, România, e-ISBN: 978-973-744-770-8</p> <p><b>Biologie Celulară, Manual Pentru Activități Practice</b>, 2019, Adrian Florin GAL, Vasile RUS, Flavia RUXANDA, Editura AcademicPres, Cluj-Napoca, România, e-ISBN: 978-973-744-769-2</p> <p><b>Basics of Necropsy and Main Diseases in Horses and Ruminants</b>, 2019, Tabaran Alexandru-Flaviu, Cornel Catoi, Adrian Florin Gal, Editura AcademicPres, Cluj-Napoca, Romania, ISBN: 978-973-744-731-9</p> <p><b>Histologie Specială Și Embriologie Generală</b> - Manual didactic - Adrian Florin GAL, Viorel MICLĂUȘ, Ed AcademicPres 2020, Cluj-Napoca, România, e-ISBN: 978-973-744-837-8.</p> <p><b>Histologie Specială/ Special Histology</b>, Caiet de Lucrări Practice/ Handbook for Practical Activities, Adrian Florin GAL, Maria Cătălina MATEI-LAȚIU, Editura AcademicPress, 2021, e-ISBN: 978-973-744-914-6 (143 pagini)</p> |
| <p><b>Competențe și aptitudini de utilizare a calculatorului</b></p> | <p>O bună stăpânire a instrumentelor Microsoft Office, Excel, Corel, Adobe Photoshop, Analiză de imagine (Olympus Cell B software)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p><b>Competențe și abilități sociale</b></p>                        | <p>Capacitate de adaptare la medii multiculturale, obținută prin participarea la simpozioane și specializări în străinătate</p> <p>(I) <i>European Society of Veterinary Pathologists (ESVP) meeting</i>, Belgrade – Serbia and Montenegro, June 2005; (II) <i>25th Annual meeting of the ESVP</i>, München – Germany, September 2007; (III) <i>26th Annual meeting of the ESVP</i>, Dubrovnik – Croatia, September 2008; (IV) <i>29th Annual meeting of the ESVP</i>, Uppsala-Sweden, September 2011; (V) <i>59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research</i>, Sep 4 - 9, Antalya, Turkey, 2011; (VI) <i>World Small Animal Veterinary Congress-WSAVA</i>, 6-9 Oct., Rhodes, Greece, 2004; (VII) <i>5th International Conference of Ph-D Students</i> (University of Miskolc), Miskolc, Hungary, 2005; (VIII) <i>6th Anniversary Symposium of the Institute for Diagnosis and Animal Health</i>, Bucharest 11-12 oct., 2011; (IX) <i>30th Meeting of the European Society of Veterinary Pathology</i>, León (Spain), 5-8th Sept., 2012; (X) <i>The First International Conference of Comparative Medicine</i>, Bucharest, Oct. 18-20, 2012; (XI) <i>45 Years of Comparative Oncology in Romania 1968-2013</i>, Bucharest, 29th – 30th November, 2013; (XII) <i>3rd International Congress of the Mediterranean Forum of Comparative Oncology</i>, April 10th-12th, Córdoba, Spain, 2013; (XIII) <i>7th Meeting of the Young Generation of Veterinary Anatomists</i>, Leipzig, July 17-20, 2013; (XIV) <i>International Congress of the Mediterranean Forum of Comparative Oncology</i>, May 18th-21th, Rome, Italy, 2014; (XV) <i>XXXth Congress of the European Association of Veterinary Anatomists</i>, Cluj-Napoca, Romania July 23–26, 2014; (XVI) <i>34th Annual Meeting of the ESVP</i> September 7th – September 10th, 2016, Bologna, Italy; (XVII) <i>The XXXIIIrd Congress of the European Association of Veterinary Anatomists</i>, July 28 -30, 2021, Ghent, Belgium (poster presentation).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Competențe și atitudini organizatorice</b>                                 | <p>Experiență bună a managementului de proiect:</p> <ul style="list-style-type: none"> <li>- <b>Director Proiect</b> – proiecte organizate de CNCSIS:</li> <li>* PN II Contract, Human Resources, no. 185/2010 – <b>The study of mammary tumors: vasculogenic mimicry in canine mammary tumors; tumor stem cells - a new hypothetical model of tumorigenesis; the involvement of oxidative stress in mammary chemically induced carcinogenesis</b> Period - 2010-2013. Amount – 340.000 lei; <a href="http://www.mamacancerprotect.ro">http://www.mamacancerprotect.ro</a>; Coordinator – Adrian Florin GAL.</li> <li>* At Contract, CNCSIS CODE 73 - <b>The study of canine mammary carcinomas</b>. Period - 2002 – 2004; Amount – 5.460 lei; Coordinator – Adrian Florin GAL.</li> <li>* Td Contract, CNCSIS CODE 372 - <b>The study of mammary carcinomas: the study of mammary dysplastic/hyperplastic lesions; achievement of an experimental model in rats to assess the potential of some antioxidative agents in chemically induced mammary tumors</b>. Period - 2006-2007; Amount – 30.500 lei; Coordinator – Adrian Florin GAL.</li> <li>* PN II Contract, CNCSIS CODE 39 – <b>The study of canine and feline mammary tumors</b>. Period - 2008-2009; Amount – 41.319 lei; Coordinator – Adrian Florin GAL.</li> <li>- <b>Membru</b> în 18 proiecte de cercetare (CNCSIS, CEEEX- Viasan, CEEEX- Agral, Parteneriate în Domeniile Prioritare-PC, PCND)</li> <li>- Organizarea Congresului Internațional "<b>Joint European Congress of the European Society of Veterinary Pathology and European College of Veterinary Pathologists Cluj-Napoca, Romania</b> 5th September - 8th September 2018"</li> </ul> |
| <b>Schimburii de experiență, stagii de lucru, specializări în străinătate</b> | <p>Stagiu de specializare în Anatomie Patologică, la Facultatea de Medicină Veterinară Cordoba, Spania, 3 luni (mai – iulie), 2004.</p> <p>Simpozion de informare și formare continuă a patologiilor veterinare sub patronajul Charles Louis Davis D.V.M. Foudation, Belgrad, Serbia, 2-4 July, 2005.</p> <p>Specializare în microscopie confocală, OLYMPUS EUROPA-Hamburg (Germania), noiembrie 2007.</p> <p>Vizită de studiu Olanda-Germania, 6-12 Mai 2012 – Fondul Social European, Programul operațional sectorial Dezvoltarea Resurselor Umane 2007-2013; Titlul proiectului - Școala Post-doctorală în Domeniul Agriculturii și Medicinii Veterinare (POSTDRU/89/1.5/S/62371).</p> <p>Implementarea modelelor biomatematice de monitorizare și predicție a chimiorezistenței strongiliilor digestivi și alternative terapeutice fără componentă poluantă, USAMV – Disciplina de farmacologie și farmacie, 2007.</p> <p>Participant la workshop-ul: ZEISS DIGITAL CLASSROOM (Organizator NOVAintermed), 28 Martie 2018, USAMV CLUJ-NAPOCA</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Domenii de competență</b>                                                  | <ul style="list-style-type: none"> <li>- Anatomie Patologică</li> <li>- Diagnostic necropsic și medicină legală veterinară</li> <li>- Oncologie veterinară și comparată</li> <li>- Citologie veterinară</li> <li>- Biologie celulară</li> <li>- Histologie și embriologie veterinară</li> <li>- Culturi celulare și tisulare</li> <li>- Tehnici speciale – imunohistochimie/imunocitochimie, microscopie confocală</li> <li>- Carcinogeneză chimică mamară indusă experimental</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>Rezultate semnificative</b>   | <ul style="list-style-type: none"> <li>- Descrierea histologică și citologică, cuantificarea malignității (AgNOR) și epidemiologia tumorilor mamare la cățea și pisică</li> <li>- Importanța prognostică a biomarkerilor de proliferare Ki-67 și PCNA în cancerul mamar de la cățea</li> <li>- Descrierea angiogenezei intratumorale în tumorile mamare la cățea și importanța prognostică a densității microvasculare intratumorale în tumorile mamare canine</li> <li>- Descrierea modificărilor displazice/hiperplazice din țesutul mamar adiacent carcinoamelor mamare canine și feline și importanța cuantificării acestora în practica veterinară</li> <li>- Descrierea angiogenezei intratumorale și a fenomenului de "vasculogenic mimicry" în diferite tipuri de tumori mamare de la cățea</li> <li>- Expresia receptorului TNFR-II (Receptorul II al Factorului de Necroză Tumorală) în tumorile mamare de la cățea și importanța prognostică a acestuia</li> <li>- Descrierea histologică, histochimică și imunohistochimică a carcinomului mamar "lipid-rich" metastazat la pisică (în <i>premieră mondială</i>)</li> <li>- Elaborarea pentru prima dată la noi în țară a unui model experimental de inducere a tumorilor mamare la șobolani Wistar și Sprague-Dawley, prin utilizarea carcinogenezei chimice (respectiv metil-nitrozo-uree);</li> <li>- Descrierea leziunilor preneoplazice mamare la cățea și șobolani</li> <li>- Evaluarea implicării stresului nitrozativ și oxidativ în carcinogeneza chimică mamară la șobolani Wistar și Sprague-Dawley</li> <li>- Descrierea imunofenotipului și prevalenței imunomarkerilor CD24/CD44 (prin metode imunohistochimice) în diferite tipuri de carcinoame mamare canine, precum și în carcinoamele mamare induse experimental cu MNU la șobolani Sprague-Dawley; biomarkerii menționați semnalează existența așa numitelor celulelor stem tumorale (cancer stem cells), un nou model ipotetic privind carcinogeneza</li> <li>- Studiul efectului protector al unor agenți antioxidanți naturali (astaxantină, polyphenon, propolis) în carcinogeneza chimică mamară, utilizată pe șobolani (femele) Wistar și Sprague-Dawley. Protocolul utilizat, respectiv administrarea zilnică (în hrană sau în apa de băut), timp de cel puțin 7 luni, a agenților protectori menționați reprezintă o premieră la noi în țară; pe plan mondial sunt puține studii similare (nici unul însă care să evalueze gradul de protecție conferit consecutiv administrării cronice a agenților menționați) – publicație <i>Acta Veterinaria Scandinavica</i></li> <li>- Prezentarea și descrierea în <i>premieră mondială</i> a unui anevrism cardiac cu localizare ventriculară la porumbel; reprezintă prima descriere a unui anevrism ventricular la păsări (articol publicat în revista <i>Avian Diseases</i>, revistă a <i>American Association of Avian Pathologists</i>)</li> <li>- Descrierea unor boli/leziuni rare la animale: parazitismul cu <i>Knemidocoptes jamaicensis</i> la cintează; leziunile induse de <i>Spiroxys contortus</i> la țestoasă (<i>Emys orbicularis</i>), atât la nivel peritoneal cât și gastrointestinal; descrierea anomaliilor vasculare evidențiate la nivelul tendonului flexor profund digital distal la cal; modificările microscopice care apar în urma expunerii corneei de șobolan la radiații UVB; descrierea pentru prima dată la noi în țară a angiosarcomului epitelioid pseudomezoteliomatos la nivel pleural la câine; influența sticlei oxidice cu ioni de argint asupra regenerării osoase la șobolani Wistar.</li> </ul> |
| <b>Activități administrative</b> | <ul style="list-style-type: none"> <li>- Membru în Senatul Universității de Științe Agricole și Medicină Veterinară Cluj-Napoca (2012-2015)</li> <li>- Director adjunct în cadrul Departamentului III, Facultatea de Medicină Veterinară Cluj-Napoca (2012-2015)</li> <li>- Director adjunct în Departamentul III (Paraclinici), FMV, USAMV Cluj-Napoca (2015-2017)</li> <li>- Președinte Comisia de Etică USAMV Cluj-Napoca (2016 - 2019)</li> <li>- Director Departament 1 (preclinici) Facultatea de Medicină Veterinară USAMV Cluj-Napoca (din decembrie 2018 – prezent)</li> <li>- Colegiul Medicilor Veterinari din Romania: Membru în Comisia Națională pentru Cercetare, Știință și Învățământ (din decembrie 2019 – prezent)</li> <li>- Membru în senatul USAMV Cluj-Napoca (din decembrie 2018 – prezent)</li> <li>- Membru al consiliului FMV Cluj-Napoca (2016 - prezent)</li> <li>- Membru în Biroul electoral al USAMV (2016 - prezent)</li> <li>- Organizator Congresul European denumit: <i>Joint European Congress of the European Society of Veterinary Pathology and European College of Veterinary Pathologists</i> Cluj-Napoca, Romania 5th September - 8th September, 2018</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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| <b>Apartenența la societăți profesionale din țară</b>                   | <ul style="list-style-type: none"> <li>- Membru al Colegiului Medicilor Veterinari din România</li> <li>- Membru al Societății Naționale de Oncologie Comparată din România</li> <li>- Membru al Societății Române de Patologie Comparată și Experimentală</li> <li>- Membru al Societății Române de Biologie Celulară</li> <li>- Membru în Comisia de etică a Colegiului Medicilor Veterinari Cluj (din 2016)</li> <li>- Membru în Comisia Națională pentru Cercetare, Știință și Învățământ - Colegiul Medicilor Veterinari din Romania (2020)</li> <li>- Vicepresedinte Comisie Etica Colegiul Medicilor Veterinari - Filiala Cluj (2020)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Apartenența la societăți științifice internaționale</b>              | <ul style="list-style-type: none"> <li>- Membru al European Society of Veterinary Pathology - ESVP (Societatea Europeană de Patologie Veterinară)</li> <li>- Membru al Society for Medicinal Plant and Natural Product Research (GA association)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Membru în colegii de redacție</b>                                    | <p>Recenzor la lucrările unor <u>Jurnale indexate BDI</u>: <i>Bulletin UASMV Cluj-Napoca (Medicină veterinară și Animal Sciences and Biotechnologies)</i>, Recenzor la lucrările revistei <i>UASMV București, Scientia Parasitologica, International Research Journal of Medicine and Medical Sciences, American Journal of Anesthesia and Clinical Research, Asian Oncology Research Journal, Merit Research Journal of Medicine and Medical Sciences (MRJMMS), The European Zoological Journal, Uttar Pradesh Journal Of Zoology, Intern Journ of Tropical Disease and Health</i></p> <p>Recenzor la lucrările unor <u>reviste ISI cu factor de impact</u>: <i>Ciencia Rural, Acta Veterinaria Beograd, Biomedicine &amp; Pharmacotherapy, Journal of Investigative Surgery, BMC Veterinary Research, Antioxidants, The Journal of Integrative Neuroscience, Molecules, Current Stem Cell Research &amp; Therapy, Journal of Investigative Surgery, Lipids in Health and Disease</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Lucrări de licență și disertație</b>                                 | Îndrumător sau coordonator științific la peste 40 lucrări de licență și disertație                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Comisii de admitere, examene și referate, finalizare studii, PhD</b> | <ul style="list-style-type: none"> <li>- 2 comisii de admitere studii de licență (secretar 2012, membru 2013)</li> <li>- membru în comisii de finalizare studii – licență linia engleză 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020</li> <li>- membru în comisii de finalizare studii – licență linia română 2017, 2018, 2019, 2020</li> <li>- membru în 3 comisii de specialitate pentru admitere la studiile doctorale</li> <li>- membru în 2 comisii ale Simpozionului Studențesc al USAMV Cluj-Napoca (2012, 2013)</li> <li>- membru în 5 comisii de avansare 2013 (candidat Tăbăran Flaviu; candidat Nagy Andras), 2014 (candidat Rus Vasile), 2016 (candidat Ruxanda Flavia), 2018 (Flavia Ruxanda, Raluca Marica), 2019 (Nan Monica – presedinte comisie)</li> <li>- membru comisie de avansare FMV Bucuresti: 2 posturi Conferențiar (Raita Ștefania Mariana – 2018; Teodor Soare - 2019)</li> <li>- Referent oficial Comisii doctorat: Negru Mihai, Mârza Sorin, Biriș Alexandra, Popa (Cora) Roxana, Simona Vișan, Matosz Bianca, Negru Mihai, Ghiurco Florin</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Lucrări științifice publicate</b>                                    | <p>Peste 214 de lucrări științifice din care:</p> <ul style="list-style-type: none"> <li>- 30 articole publicate <i>in extenso</i> în <b>reviste cotate ISI cu factor de impact</b> (11 ca autor principal) – <u>Factor de impact cumulativ peste 42,67</u>.</li> <li>- 33 articole publicate sub formă de <i>abstract</i> în <b>reviste cotate ISI cu factor de impact</b> (7 ca autor principal).</li> <li>- peste 151 articole BDI (52 autor principal, 99 coautor).</li> </ul> <p>Peste 25 participări la congrese/simpozioane internaționale cu prezentarea orală și publicarea rezumatului.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Vizibilitate internațională, Citări</b>                              | <ul style="list-style-type: none"> <li>- 125 citări în <b>reviste cotate ISI</b> al unor lucrări publicate anterior <ul style="list-style-type: none"> <li>o citări în reviste cu factor de impact ridicat: <i>Antioxidants IF - 5.014; Antibiotics IF - 3.8930; Journal of the European Academy of Dermatology and Venereology IF - 5.2480; Carcinogenesis IF - 5.3340; International Journal of Molecular Sciences IF - 4.5560; Pharmaceutics IF - 4.4210; Journal of Photochemistry and Photobiology B: Biology IF - 4.0670; Science of The Total Environment IF - 5.589; Scientific reports IF - 4.122; Food Chemistry IF - 4.529; Disease models &amp; mechanisms – IF - 4.691; Scientific reports IF - 4.122; European Journal of Pharmaceutical Sciences IF - 3.532; Biochimica et Biophysica Acta (BBA) IF - 3.829; Marine drugs IF - 3.512; Journal of agricultural and food chemistry IF - 3.107; Diagnostic Pathology 2014, IF - 2,41; Mycopathologia IF - 1.545; Chemical Toxicology IF - 2.610; Fitoterapia IF - 2.216; Food and Chemical Toxicology IF - 2.610; Journal of Photochemistry and Photobiology B: Biology, IF - 2.803; Experimental and Clinical Endocrinology &amp; Diabetes IF - 1.760, etc.</i></li> </ul> </li> <li>- 58 citări în <b>reviste cotate BDI</b> a unor lucrări publicate anterior;</li> <li>- 11 citări în <b>carti internationale /recunoscute CNCSIS</b></li> <li>- indicele <b>h-index</b> Google academic = 8;</li> </ul> |

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Premii obținute</b>     | <p>Articole ISI publicate și premiate de UEFISCDI (premierea rezultatelor cercetării):</p> <ul style="list-style-type: none"> <li>- The first description of a congenital right ventricular cardiac aneurysm in a pigeon (Columba livia domestica, Cluj blue tumbler pigeon), AVIAN DISEASES, (DOI: 10.1637/10156-040912-Case.1). <b>Gal AF (*Principal Author), Tăbăran F, Taulescu M, Cătoi C.</b> – 2013</li> <li>- Effects of astaxanthin supplementation on chemically induced tumorigenesis in Wistar rats ACTA VETERINARIA SCANDINAVICA Volume: 54 Article Number: 50 (DOI: 10.1186/1751-0147). <b>Adrian F Gal (*Principal Author), Sanda Andrei, Cristina Cernea, Marian Taulescu, Cornel Cătoi</b> – 2013</li> <li>- Multidisciplinary analysis of Knemidocoptes jamaicensis parasitising the Common Chaffinch, Fringilla coelebs: proofs for a multispecies complex? PARASITOL RES, 112:2373–2380 (DOI 10.1007/s00436-013-3402-7). <b>Jacek Dabert, Miroslawa Dabert, Adrian F. Gal (*Principal Author), Viorel Miclăuș, Andrei D. Mihalca, Attila D. Sándor</b> - 2013</li> <li>- Metastatic cholangiocarcinoma in a llama (Lama glama). J VET DIAGN INVEST.;24(5):986-9 (doi: 10.1177/1040638712452110). <b>Taulescu MA, Bolfa PF, Buiga R, Gal AF, Sevastre B, Morar I, Cătoi C.</b> – 2013</li> <li>- HISTOLOGICAL ASPECTS OF THE ESOPHAGUS IN GUINEA PIGS. <b>Vasile Rus, Flavia Ruxanda*, Aurel Damian, Călin Nuț, Cristian Martonos, Gabriela Dogaru, Viorel Miclăuș, Adrian Florin Gal (Principal Author).</b> BEST POSTER AWARD - 18th International Conference "Life Sciences for Sustainable Development"</li> <li>- PN-III-P1-1.1- PRECISI-2020- 43430 - Intentional Carbofuran Poisoning in 7 dogs. Tabaran, F., Pivariu, D., Oros, A. N., <b>Gal, A.</b>, Martonos, C., &amp; Nagy, A. L. Volume: 16 Issue: 1 Article Number: 318. DOI: 10.1186/s12917-020-02534-w (2020). DOI: 10.21203/rs.2.18681/v3 1</li> <li>- PN-III-P1-1.1- PRECISI-2020- 43787 - Chemopreventive Effects of Propolis in the MNU-Induced Rat Mammary Tumor Model. <b>Gal, A. F.</b>, Stan, L., Tăbăran, F., Rugină, D., Cătoi, A. F., &amp; Andrei, S. (2020). Chemopreventive Effects of Propolis in the MNU-Induced Rat Mammary Tumor Model. Oxidative Medicine and Cellular Longevity, 2020.</li> <li>- PN-III-P1-1.1- PRECISI-2020- 49702 - Impact of Alpha-Lipoic Acid Chronic Discontinuous Treatment in Cardiometabolic Disorders and Oxidative Stress Induced by Fructose Intake in Rats. Ghibu, S., Craciun, C. E., Rusu, R., Morgovan, C., Mogosan, C., Rochette, L., <b>Gal A.F.</b> &amp; Dronca, M. (2019). Antioxidants, 8(12), 636.</li> </ul> <p>- Profesorul anului în anul 2018 – linia română; 2019 – linia engleză; 2021 – linia engleză.</p> |
| <b>Permis de conducere</b> | Categoria B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Anexe</b>               | <p>Anexa 1. Experiența acumulată (inclusiv experiența managerială) în programe/proiecte naționale/internaționale</p> <p>Anexa 2. Activitate publicistică</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### Anexa 1. Experiența acumulată (inclusiv experiența managerială) în programe/proiecte naționale/internaționale

| Programul/Proiectul                                                                                                                                                                                                                                                                                                                                    | Funcția         | Perioada    | Suma        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-------------|
| Contract At, COD CNCIS 73 - „ <b>Studiul carcinoamelor mamare la cățea</b> ”                                                                                                                                                                                                                                                                           | <b>director</b> | 2002 - 2004 | 5.460 lei   |
| Contract Td, COD CNCIS 372 - <b>Studiul carcinoamelor mamare: studiul leziunilor displazice/hiperplazice mamare, realizarea unui model experimental pe sobolani și influența antioxidantilor în carcinogeneza chimică mamară.</b>                                                                                                                      | <b>director</b> | 2006-2007   | 30.500 lei  |
| Contract PN II, COD CNCIS 39 – <b>Studiul tumorilor mamare la cățea și pisică</b>                                                                                                                                                                                                                                                                      | <b>director</b> | 2008-2009   | 41.319 lei  |
| Contract PN II Resurse umane, nr 185/2010 – <b>Studiul tumorilor mamare: vasculogenic mimicry în tumorile mamare canine, celulele stem tumorale – un nou model ipotetic al tumorigenezei, implicația stresului oxidativ în carcinogeneza chimică mamară.</b>                                                                                           | <b>director</b> | 2010-2013   | 340.000 lei |
| Contract CNCIS tip A multianual, 40530/05.11.2003, COD CNCIS 77 -“ <b>Controlul hiperplaziei intime prin modularea hemodinamicii locale</b> ”. Director: Cornel Cătoi                                                                                                                                                                                  | membru          | 2003-2005   |             |
| Contract CNCIS tip A multianual - Cod CNCIS 1123 - <b>Investigații privind terapia celulară în bolile vasculare.</b> Director: Cornel Cătoi                                                                                                                                                                                                            | membru          | 2006-2008   |             |
| CEEX Viasan 185/2006 - <b>Infecția cu Helicobacter pylori la om și animale – posibilități de transmitere a infecției, implicații în patologia umană și veterinară, tipizarea tulpinilor bacteriene, testarea rezistenței la antibiotice (HELICOPAT-EPID)</b><br>Coordonator – <b>UMF Cluj, Andreica Vasile</b><br>P1 USAMV - <b>resp. Cornel Cătoi</b> | membru          | 2006-2008   |             |
| CEEX - Viasan 147/2006 - <b>Utilizarea tehnologiilor micro si tissue-array in stabilirea</b>                                                                                                                                                                                                                                                           | membru          | 2006-2008   |             |



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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|--|
| <b>semnaturii moleculare a tumorilor ovariene epiteliale cu potential redus si inalt de malignitate. Identificarea genelor candidate in angiogeneza tumorală borderline – MT-ARRAY-SIGN</b><br>Coordonator - <i>Institutul Oncologic</i><br>Partener 2 - <i>USAMV, Responsabil USAMV Catoi Cornel</i>                                                                                                                                                                                     |        |           |  |
| CEEX - AGRAL 28/2006 - <i>Creșterea rezistenței la scrapie în populațiile de ovine din România prin selecția asistată la nivel molecular pentru dezvoltarea durabilă a creșterii și exploatarea ovinelor, asigurarea securității alimentare și a sănătății populației</i>                                                                                                                                                                                                                 | membru | 2006-2008 |  |
| PARTENERIATE IN DOMENIILE PRIORITARE, Categoria de proiect: PC 41 - 072/2007 - <i>Dezvoltarea prin cercetare interdisciplinara a unei noi terapii medicamentoase destinata asigurarii neuroprotectiei in ischemia cerebrala - NEUROPROTER</i>                                                                                                                                                                                                                                             | membru | 2007-2010 |  |
| PARTENERIATE IN DOMENIILE PRIORITARE, Categoria de proiect: PCND – Capacitati modul1/106 CP-1/2007 - <i>Dezvoltarea capacității de cercetare și de expertiză a laboratorului de medicină legală veterinară prin modernizare tehnică și metodologică; acreditarea laboratorului - MELVET</i>                                                                                                                                                                                               | membru | 2007-2009 |  |
| CNCSIS A - <i>Remodelarea vasculara postlezionala pe model animal</i><br>Director de grand Prof. Dr. Radu Căpăleanu;<br>UMF Cluj-Napoca                                                                                                                                                                                                                                                                                                                                                   | membru | 2003-2005 |  |
| CNCSIS A - <i>Biologia celulei canceroase: studii citologice si biochimice in cancere spontane si neoplasme induse experimental, in vederea imbunatatirii tehnicilor de diagnostic precoce al tumorilor</i><br>Director – Prof. Dr. A.I. Baba                                                                                                                                                                                                                                             | membru | 2004-2006 |  |
| PARTENERIATE IN DOMENIILE PRIORITARE, <i>Contract Nr. 42-104/01.10.2008; CHEMPROTECT - Fotochemoprotectia prin produse naturali in neoplaziile cutanate epiteliale fotoinduse; Contractor: Universitatea de Medicina si Farmacie Iuliu Hatieganu Cluj-Napoca; Director Adriana Filip</i><br>Partener 2 <i>USAMV Cluj-Napoca; Responsabil Prof. Dr. Cornel Catoi</i>                                                                                                                       | membru | 2008-2011 |  |
| PARTENERIATE IN DOMENIILE PRIORITARE, <i>Contract Nr. 12-131/01.10.2008; HEMOSEP - Sistem expert pentru prognoza neinvaziva a evolutiei afectiunilor hepatice cronice prin analiza parametrilor biologici si de hemodinamica portala</i><br>Contractor: <i>Universitatea de Medicina si Farmacie Iuliu Hatieganu Cluj-Napoca; Director Simona Clichici</i><br>Partener 2 <i>USAMV Cluj-Napoca; Responsabil Prof. Dr. Cornel Catoi</i>                                                     | membru | 2008-2011 |  |
| PARTENERIATE IN DOMENIILE PRIORITARE, <i>Contract Nr. 42-112/01.10.2008; NANOCITOX - Evaluarea si modularea biodistributiei si citotoxicitatii nanotuburilor de carbon cu aplicatii biomoleculare</i><br>Contractor: <i>Universitatea de Medicina si Farmacie Iuliu Hatieganu Cluj-Napoca; Director Simona Clichici</i><br>Partener 1 <i>USAMV Cluj-Napoca; Responsabil Prof. Dr. Cornel Catoi</i>                                                                                        | membru | 2008-2011 |  |
| CNCSIS – IDEI, <i>Contract 1484/2008, Investigatii privind rolul inflamatiei si al celulelor precursora endoteliale in neovascularizatia tesutului adipos in obezitate</i><br>Contractor: <i>Universitatea de Stiinte Agricole si Medicina Veterinara din Cluj-Napoca, Director Cornel Catoi</i>                                                                                                                                                                                          | membru | 2008-2011 |  |
| PARTENERIATE IN DOMENIILE PRIORITARE – PN II programul 4, <i>Contract Nr. 52104/2008; CAPRINOGEN – De la ADN la brânză: studiul impactului polimorfismului markerului genetic cazeina alfa-s1 la rasa de caprine carpatina asupra calității laptelui, randamentului de obținere a brânzeturilor și proprietăților senzoriale.</i><br>Contractor: <i>Universitatea de Stiinte Agricole si Medicina Veterinara din Cluj-Napoca, Director Vlaic Augustin. Valoare totală – 1.980.000 RON</i> | membru | 2008-2011 |  |
| PNII PCCA , tip 2, nr. 95/2012, 2-1660, <i>Dezvoltarea și evaluarea preclinica a unor nano-sisteme farmaceutice pentru terapia țintită a cancerului colorectal. Contractor: UMF Cluj-Napoca. Responsabil: Cornel Cătoi</i>                                                                                                                                                                                                                                                                | membru | 2012-2015 |  |
| PNII PCCA tip 1, nr.76/2012, 1-1586, <i>Profilaxia nanomediata a cancerului de colon la soareci utilizand un vaccine sinergic nanoparticule de aur conjugate cu MUC-1/celule dendritice. Responsabil: Cornel Cătoi</i>                                                                                                                                                                                                                                                                    | membru | 2012-2015 |  |
| POC A1-A1.1.4 E-2015: <i>Hiperuricemia induce inflamatie: tintirea rolului central al acidului uric în bolile reumatologice si cardiovasculare. Director proiect: Leonardus Joosten</i>                                                                                                                                                                                                                                                                                                   | membru | 2016-2020 |  |
| Project title: <i>The impact of obesity and oxidative stress in the development of heart failure with preserved ejection fraction. The effect of an antioxidant treatment with alpha-lipoic acid / Impactul obezității și al stresului oxidativ în dezvoltarea insuficienței cardiace cu fracție de ejecție preservată. Efectul unui tratament antioxidant cu acid alfa-lipoic. Project Acronym: OLAF</i>                                                                                 | membru | 2018-2020 |  |

## ANEXA 2. ACTIVITATE PUBLICISTICA

### Publicații BDI

#### ***Autor principal (prim-autor, corespondent, ultim autor)***

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22.03.2022