



## Curriculum vitae Europass

### Informații personale

Nume / Prenume	<b>FICAI, Anton</b>
Adresă(e)	Acasa: Str. Rahovei 30-32, Bragadiru, Ilfov, ROMANIA Servici: Str. Gh Polizu 1-7, Sector 1, 011061 Bucuresti, Romania
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Fax(uri)	+4 021 402 3815
E-mail(uri)	anton.ficai@upb.ro anton_ficai81@yahoo.com
Naționalitate(-tăți)	romana
Data nașterii	12.11.1981
Sex	barbatesc

Locul de muncă ocupat / Domeniul ocupațional	<b>Prof. Dr. Habil. ing. Membru Corespondent Academia Oamenilor de Știință din România</b>
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### Experiența profesională

Perioada	Octombrie 2017 – prezent
Funcția sau postul ocupat	Profesor
Activități și responsabilități principale	Predare cursuri (Chimie, Materiale Compozite pentru Medicina; Sisteme cu eliberare Controlata de Biosubstante Active, Chimia si Caracterizarea Materialelor; Nanobiomaterials for Tissue Engineering) Cercetare științifică
Numele și adresa angajatorului	Universitatea POLITEHNICA Bucuresti, Facultatea de Chimie Aplicată și Știința Materialelor, Departamentul Știința și Ingineria Materialelor Oxidice și Nanomateriale
Tipul activității sau sectorul de activitate	Învățământ
Perioada	Decembrie 2015 (Februarie 2016) – prezent
Funcția sau postul ocupat	Abilitare în inginerie chimică
Activități și responsabilități principale	Conducere de teze de doctorat în domeniile: inginerie tisulară; sisteme cu eliberare controlată; materiale cu aplicații industriale; etc.
Numele și adresa angajatorului	Universitatea POLITEHNICA Bucuresti, Facultatea de Chimie Aplicată și Știința Materialelor, Departamentul Știința și Ingineria Materialelor Oxidice și Nanomateriale

Tipul activității sau sectorul de activitate	Învățământ
Perioada	2015 (Februarie) – 2017 (septembrie)
Funcția sau postul ocupat	Conferențiar dr.
Activități și responsabilități principale	Predare cursuri (Chimie, materiale compozite pentru medicina; sisteme cu eliberare controlata de biosubstante active) precum si conducerea ședințelor de lucrări practice de laborator Cercetare științifică
Numele și adresa angajatorului	Universitatea POLITEHNICA Bucuresti, Facultatea de Chimie Aplicată și Știința Materialelor, Departamentul Știința si Ingineria Materialelor Oxidice si Nanomateriale
Tipul activității sau sectorul de activitate	Învățământ
Perioada	2011 –2015
Funcția sau postul ocupat	Sef lucrari; director de proiect
Activități și responsabilități principale	Conducerea ședințelor de lucrări practice de laborator Cercetare științifică
Numele și adresa angajatorului	Universitatea POLITEHNICA Bucuresti, Facultatea de Chimie Aplicată și Știința Materialelor, Departamentul Știința si Ingineria Materialelor Oxidice si Nanomateriale
Tipul activității sau sectorul de activitate	Învățământ
Perioada	14-20 Iulie 2014
Funcția sau postul ocupat	Profesor invitat
Activități și responsabilități principale	Activități de predare în domeniul materialelor compozite si a biomaterialelor
Numele și adresa angajatorului	Universitatea Beira Interior; "Summer Scholl on Composite Materials: From BASIC to NANO"
Tipul activității sau sectorul de activitate	
Perioada	2006 – 2011
Funcția sau postul ocupat	Asistent suplinitor, asistent titular
Activități și responsabilități principale	Conducerea ședințelor de lucrări practice de laborator Cercetare științifică
Numele și adresa angajatorului	Universitatea POLITEHNICA Bucuresti, Facultatea de Chimie Aplicată și Știința Materialelor, Departamentul Chimie Analitică și Analiză Instrumentală
Tipul activității sau sectorul de activitate	Învățământ
<b>Educație și formare</b>	
Perioada	2010-2013
Calificarea / diploma obținută	Certificat de absolvire stagiu postdoctoral
Disciplinele principale studiate / competențe profesionale dobândite	Biomateriale compozite
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea POLITEHNICA Bucuresti, Facultatea de Chimie Aplicată și Știința Materialelor
Nivelul în clasificarea națională sau internațională	Studii postuniversitare/Studii postdoctorale

Perioada	2006-2009
Calificarea / diploma obținută	Diploma de DOCTOR INGINER
Disciplinele principale studiate / competențe profesionale dobândite	INGINERIE CHIMICĂ
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea POLITEHNICA Bucuresti, Facultatea de Chimie Aplicată Și Știința Materialelor
Nivelul în clasificarea națională sau internațională	Studii postuniversitare/Studii doctorale
Perioada	2005-2007
Calificarea / diploma obținută	Diploma de master
Disciplinele principale studiate / competențe profesionale dobândite	Specializarea Materiale, Substanțe și Sisteme Biocompatibile
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea POLITEHNICA Bucuresti, Facultatea de Energetică, Departamentul de Bioinginerie și Biotehnologii
Nivelul în clasificarea națională sau internațională	Studii postuniversitare
Perioada	2000-2005
Calificarea / diploma obținută	Diploma de inginer chimist; diploma de șef de promoție
Disciplinele principale studiate / competențe profesionale dobândite	Tehnologia substantelor organice
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea POLITEHNICA Bucuresti, Facultatea de Chimie Aplicată Și Știința Materialelor
Nivelul în clasificarea națională sau internațională	Studii universitare

**Aptitudini și competențe personale**

Limba(i) maternă(e) **Romana**

Limba(i) străină(e) cunoscută(e)

Autoevaluare

*Nivel european (\*)*

**Limba Engleza**

**Limba Italiană**

**Limba franceza**

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B1	Utilizator independent
B1	Utilizator independent	B1	Utilizator independent	B1	Utilizator independent	B1	Utilizator independent	A1	Utilizator elementar
A1	Utilizator elementar	A2	Utilizator elementar	A1	Utilizator elementar	A2	Utilizator elementar	A1	Utilizator elementar

(\*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

Competențe și abilități sociale

Spirit de echipă, sociabil, bune aptitudini de comunicare

Competențe și aptitudini organizatorice

Pe parcursul anilor de facultate am fost implicat în activitățile studențești iar în calitate de șef de cămin (2003-2006) am dobândit bune competențe și aptitudini organizatorice. În perioada 2004-2005 am fost membru în consiliul profesoral al FCAȘM și al Senatului UPB și ulterior între 2005-2007 membru în consiliul Departamentului de Bioinginerie și Biotehnologii.

Competențe și aptitudini tehnice

Competențele tehnice au fost dobândite și îmbunătățite ca urmare a trainingurilor la care am participat: cromatografie, spectroscopie de absorbție în infraroșu, spectroscopie de masă (inclusiv ICP-MS)

Competențe și aptitudini de utilizare a calculatorului	Bună stăpânire a sistemului de operare WINDOWS XP, a aplicațiilor Office, Macromedia Firefox și Mathcad.
Permis(e) de conducere	Categorია B
Boarduri editoriale:	<ul style="list-style-type: none"> <li>• <b>Coatings – MDPI (2019-prezent) - ISI journal – Section Editor in Chief</b></li> <li>• <b>Revista Romana de Materiale - Romanian Journal of Materials (2017- prezent) – ISI Indexed</b></li> <li>• <b>Advanced Nano-Bio-Materials and Devices – SciEdTech – Editor in Chief</b></li> <li>• <b>Jacobs Journal of Materials Science (Remedy Publications) (2016-onwards)</b></li> <li>• <b>Resource-Efficient Technologies (2016- prezent)</b></li> <li>• <b>Dovepress (2015 – prezent) – consulting editor</b></li> <li>• <b>Bentham Science – Bentham Ambassador</b></li> <li>• <b>Materials Science and Engineering Journal (2017- prezent)</b></li> <li>• <b>Quantitative Imaging in Medicine and Surgery (2015–2017) – indexat SCOPUS</b></li> <li>• <b>Journal of Nanomaterials, Nanotechnology and Nanomedicine, (2015- prezent)</b></li> <li>• <b>Biointerface Research in Applied Chemistry (2011- prezent) – ISI indexed</b></li> <li>• <b>Scientific Bulletin of University „POLITEHNICA” of Bucharest – Serie B: Chemistry and Materials Sciences (2010- prezent) – ISI indexed.</b></li> </ul> <p><i>Guest editor:</i></p> <ul style="list-style-type: none"> <li>• <b>Design and performances of medical devices: from bulk to surface modification, Current Medicinal Chemistry (2019);</b></li> <li>• <b>New challenges in cancer treatment, from novel agents to innovative administration, Anti-Cancer Agents in Medicinal Chemistry (2019);</b></li> <li>• <b>Nanobiosensors in Food Industry, Sensors (2017)</b></li> <li>• <b>Sustainability of Nanotechnology: Novel Approaches; Sustainability (2017);</b></li> <li>• <b>Smart Drug Delivery Systems, Current Drug Targets (2015);</b></li> <li>• <b>Engineered Magnetic Core@Shell Structures, Current Pharmaceutical Design 2015;</b></li> <li>• <b>Engineered Biomaterials for Tissue Regeneration, The Science World Journal (2014).</b></li> </ul>
Proiecte de cercetare	<ol style="list-style-type: none"> <li>1. Action CA20126, “Network for research, innovation and product development on porous semiconductors and oxides” (NANOPORE); Role: Responsible Romanian side; Period of implementation: 2021-2025</li> <li>2. PN-III-P1-1.1-PD-2019-1156; Novel 2D nanocomposite membranes based on chitosan for water purification/ Noi membrane nanocompozite 2D pe bază de chitosan pentru purificarea apei; Postdoctorand Angela SPOIALA; Perioada de implementare: 2020-2022 (<b>Rol – Mentor</b>).</li> <li>3. PN-III-P1-1.1-PD-2019-1185- Nanomateriale bioactive pentru terapie combinată: modularea infecțiilor microbiene și prevenția recurenței tumorale; Postdoctorand Valentina Grumezescu (<b>Rol – Mentor</b>).</li> <li>4. PN-III-P1-1.1-TE-2019-1450/TE 103/Platformă microfluidică multifuncțională de tipul lab-on-a-chip pentru fabricarea nanoparticulelor/Multifunctional lab-on-a-chip microfluidic platform for the fabrication of nanoparticles; Rol: Cercetator; Perioada de implementare: 23.10.2020-22.10.2022</li> <li>5. PN III (2013-2020) / PED 2019; Valorificarea nanoparticulelor magnetice in dezvoltarea unui micro-dispozitiv magnetic / contract No. 522/23.10.2020; Rol: Cercetător; Perioada de implementare: 23.10.2020-22.10.2022</li> <li>6. PN III (2013-2020) / PED 2019; Evaluarea potentialului de exploatare a</li> </ol>

- materialelor poroase in tratarea disbiozelor microbiotei / Evaluation of the exploitation potential Potential of Porous Materials in the tREatment of Microbiota-related dISeasEs – contract No. 524/23.10.2020; Rol: Cercetator; Perioada de implementare: 23.10.2020-22.10.2022
7. PN-III-P2-2.1-PED-2019-1375; Elaborarea de noi antiseptice pe baza de oxid de zinc pentru tratarea clinica a plagilor; Rol: Cercetator; Perioada de implementare: 2020-2022
  8. **Action CA17118**, “Identifying Biomarkers Through Translational Research for Prevention and Stratification of Colorectal Cancer” (TRANSCOLONCAN); Rol: Responsabil UPB; Perioada de implementare: 2018-2022
  9. **Action CA18132**; Functional Glyconanomaterials for the Development of Diagnostics and Targeted Therapeutic Probes; Rol: Responsabil UPB; Perioada de implementare: 2018-2022
  10. PN-III-P4-ID-PCCF-2016-0114; Antibiotic Resistance in Wastewater: Transmission Risks for Employees and Residents around Waste Water Treatment Plants / Rezistența la antibiotice în apele uzate: Riscuri de transmitere la angajați și la rezidenții din proximitatea stațiilor de tartare a apelor reziduale; Rol: Responsabil UPB; Perioada de implementare: 2018-2022
  11. PN-III-P1-1.2-PCCDI-2017-0697; Intelligent therapies for non-communicable diseases based on controlled release of pharmacological compounds from encapsulated engineered cells and targeted bionanoparticles / Terapii inteligente pentru boli non-comunicabile bazate pe eliberarea controlata de compusi farmacologici din celule incapsulate dupa manipulare genetica sau bionanoparticule vectorizate; Perioada de implementare: 2018-2020
  12. PN-III-P1-1.2-PCCDI-2017-0629; Innovative Bionanomaterials for Treatment and Diagnosis / Bionanomateriale Inovative pentru Tratament si Diagnostic; Perioada de implementare: 2018-2020
  13. PN-III-P1-1.2-PCCDI-2017-0749; Bioactive nanostructures for innovative therapeutical strategies / Nanostructuri bioactive pentru strategii terapeutice inovatoare; Perioada de implementare: 2018-2020
  14. PN-III-P1-1.2-PCCDI-2017-0689; Lib2Life- Revitalizarea bibliotecilor și a patrimoniului cultural prin tehnologii avansate; Perioada de implementare: 2018-2020
  15. Grants JINR-RO 2018; Complementary characterization and SANS modelling of magnetic multilayered suprastructures for targeted cancer therapy; Topic #04-4-1121 2015/2020; Responsible UPB; Perioada de implementare: 2018;
  16. Project JINR-RO 2018; Development and characterisation of magnetic nanostructures for targeted cancer therapy; Responsible UPB; Perioada de implementare: 2018;
  17. Project JINR-RO 2018; Mesoporous silica doped with magnetite nanoparticles for controlled release rate of biologically active substances; Role: member of team/researcher; Perioada de implementare: 2018;
  18. PN-III-P2-2.1-PED-2016-0427; Realizare demonstrator in tehnologia planara de tranzistor cu tunelare a izolatorilor ultrasubtiri - ca promotor al unei serii de nano-dispozitive si evidentierea utilitatii in industrie; Role: Researcher; Perioada de implementare: 2017-2018
  19. PN-III-P2-2.1-PED-2016-0952 “Structuri poroase biomimetice obținute prin printare 3D pentru ingineria țesutului osos” Role: Researcher; Perioada de implementare: 2017-2018
  20. **63/10.04.2017/IUCN DUBNA; Nanostructured magnetic colloids for targeted cancer therapy; Role: project manager; Perioada de implementare: 2017**
  21. **PN-III-P2-2.1-PTE-2016-0146; Noi compozite polimerice nanostructurate pentru garnitură crapodină, placă de legătură și alte componente destinate industriei feroviare; Rol: Responsabil partener UPB; Perioada de implementare: 2016-2018;**
  22. PN-III-P2-2.1-PTE-2016-0156; Valorificarea polimerilor termoplastici reciclati prin armare cu fibre naturale functionalizate pentru obtinerea de noi produse cu valoare adaugata; Rol: membru echipa; Perioada de implementare: 2016-2018;

23. **PN-III-P2-2.1-PTE-2016-0174; Tehnologie și echipament pentru obținerea prin electrofilare a substraturilor colagenice nanofibrilare, destinate pansamentelor resorbabil Rol: Responsabil partener UPB; Perioada de implementare: 2016-2018;**
24. **POC-D; Prototip pentru validare nanotehnologie inovatoare și linie de producție (P\_39\_240), manager de proiect**
25. **Proiect de tip Era Net Rus Plus, „Titanium Oxynitride Coatings for the Improvement of Biocompatibility and Long-Term Functionality of Cardiovascular Stents: Development of Novel Deposition Technology- TIOXTECH-BIO”; Role: Responsabil UPB; Perioada de implementare: 2016-2018**
26. **MANUNET ERA-NET Project; "Multiphase elasto-plastic architectures dynamically vulcanized and reinforced with nanoparticles for specific products used in food and pharmaceutical industries - ARHNANOTPV" Role: Responsabil UPB; Perioada de implementare: 2015-2016;**
27. **„Installations of National Interest / Instalatii de Interes National: Creerea Centrului National de Micro si Nanomateriale / Creation of the National Centre of Micro- and Nanomaterials” Rol: director de proiect; Perioada de implementare: 2014-2019**
28. **„Produse inovative de uz dentar cu aplicații multiple – LavEndo”; Funcția: Responsabil științific; Perioada: 2014 - 2016**
29. **Reconstrucția ligamentelor utilizand materiale structurate avansate pe baza de polimeri sintetici si naturali – LigaSint; Funcția: Responsabil P1; Perioada: 2014 - 2016**
30. **POSCCE-A2-O2.2.1-2013-1 - OPERAȚIUNEA 2.2.1: Crearea centrului național de cercetări științifice pentru siguranța alimentară – CNpSA; Funcția: Responsabil științific; Perioada: 2014-2015**
31. **MPNS COST Action MP1301: New Generation Biomimetic and Customized Implants for Bone Engineering; Rol: Cercetător; 2013-2017**
32. **TD COST Action TD1305: Improved Protection of Medical Devices Against Infection (IPROMEDAI); Rol: Cercetător; 2013-2017**
33. **ADER 8.1.4.: Sisteme integrate de trasabilitate și control ale unor alimente de origine animală și nonanimală pentru identificarea unor factori de risc potențial cancerigeni în relația mediu, fermă, procesare, transport, consum; Funcția: cercetător; Perioada de implementare: 2013-2015**
34. **PNCIDI II – Parteneriate/ Novel nanostructured prosthetic tubular devices with antibacterial and antibiofilm properties induced by physico-chemical and morphological changes – AntiBioTube 43\_094; Funcția: Director de proiect; Perioada de implementare: 2012-2016**
35. **PNCIDI II – Parteneriate/ Hybrid composite materials with thermoplastic matrices doped with fibres and disperse nano fillings for materials with special purposes – hybridmat 73-168; Funcția: Cercetător; Perioada de implementare: 2012-2016**
36. **PNCIDI II – CAPACITATI (Modulul II) Studii prospective „Nanopropect”; Funcția: Cercetător; Perioada de implementare: 2010-2011**
37. **PNCIDI II – CAPACITATI (Modulul III) - Bilaterală România-Germania/Natural nanoparticle in soil as possible environmental vectors for contaminants- 327/18.08.2009; Funcția: Cercetător; Perioada de implementare: 2009**
38. **PNCIDI II – Parteneriate/Nanobiocompozite multi-funcționale utilizate ca suporturi regenerative si medicamentoase – SIMAC 72\_198; Funcția: Cercetător; Perioada de implementare: 2008 – 2011**
39. **PNCIDI II – Parteneriate/Materiale piezoelectrice fara plumb procesate prin metode chimice in solutie – MPPC 72\_153; Funcția: Cercetător; Perioada de implementare: 2008 – 2011**
40. **Proiect PN II\_MC – Electric field influence on collagen mineralization process; Funcția: Director de proiect; Perioada de implementare: 2008**
41. **PNCIDI II– Parteneriate/ Realizarea de noi biomateriale cu structuri colagenice supramoleculare dopate, cu proprietati piezoelectrice, de cristale lichide, electrice si magnetice, utilizate in bioinginerie 71\_147; Funcția: Cercetător; Perioada de implementare: 2007 – 2010**
42. **PN II\_TD – Biomateriale compozite pe baza de colagen si hidroxiapatita; Funcția: Director de proiect; Perioada de implementare: 2007 – 2009**

43. **PN II BD – Biomateriale compozite pe baza de colagen si hidroxiapatita;** Funcția: **Director de proiect;** Perioada de implementare: **2006 – 2009**
44. P-CD CEEX: Combinatorial library for the synthesis of neutral receptors of inorganic anions; from project to potential applications; Role: Researcher; Perioada de implementare: 2006–2008;
45. PNCDI I-CERES type PED/Hybrid membranas materials with polyphosphazenic backbone; Funcția: membru în colectiv; Perioada de implementare: 2002- 2004.

#### Premii si distincții

2021: International Salon of Inventions and Innovations InventCor 2021, second edition 16-18 December 2021, Deva, Romania

Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020

“Gold medal” awarded by the Jury of InventCor 2021

“Jury Award” awarded by the Jury of InventCor 2021

Codina MOVILEANU, Denisa FICAI, Anton FICAI, Manuela CĂLIN, Maria Florentina ANGHELACHE, Anca Violeta GAFENCU, Gheorghe FUNDUEANU-CONSTANTIN, Mariana PINTEALA, Maya SIMIONESCU, Ecaterina ANDRONESCU; Sisteme inteligente de nanoparticule pentru internalizare celulară; A/00339/15.06.2021

“Gold medal” awarded by the Jury of InventCor 2021

OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Composition for restoring paper from documents affected by microorganisms; A00818/09.12.2020

“Gold medal” awarded by International Jury of the Salon

Liliana MARINESCU, Laura-Florentina BOANTA, Anton FICAI, Denisa FICAI, Ecaterina ANDRONESCU; Process for treating various natural or synthetic substrates in order to induce antimicrobial, antibiofilm, antifungal, antialgic or even antiviral activities based on nanotechnologies; A/00075/ 25.02.2021

“Gold medal” awarded by the Jury of InventCor 2021

2021: International Specialized Exhibition "INFOINVENT2021"- XVIIth Edition, 17-20 November 2021, Chisinau, Republic of Moldova

Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020

“Gold medal” awarded by the Jury of Infolnvent 2021

“Excellence diploma with Gold Medal” awarded by State University of Medicine and Pharmacy „Nicolae Testemițanu”, Moldova

Codina MOVILEANU, Denisa FICAI, Anton FICAI, Manuela CĂLIN, Maria Florentina ANGHELACHE, Anca Violeta GAFENCU, Gheorghe FUNDUEANU-CONSTANTIN, Mariana PINTEALA, Maya SIMIONESCU, Ecaterina ANDRONESCU; Sisteme inteligente de nanoparticule pentru internalizare celulară; A/00339/15.06.2021

“Gold medal” awarded by the Jury of Infolnvent 2021

OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Composition for restoring paper from documents affected by microorganisms; A00818/09.12.2020

Silver Medal awarded by International Jury of the Salon

2021: SALONUL internațional de Invenții și Inovații „ProInvent” Cluj Napoca, perioada 20-22 Octombrie 2021

Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020

“Excellence diploma with Gold Medal” awarded by the Jury of ProInvent 2021

Codina MOVILEANU, Denisa FICAI, Anton FICAI, Manuela CĂLIN, Maria Florentina ANGHELACHE, Anca Violeta GAFENCU, Gheorghe FUNDUEANU-CONSTANTIN, Mariana PINTEALA, Maya SIMIONESCU, Ecaterina ANDRONESCU; Sisteme inteligente de nanoparticule pentru internalizare celulară; A/00339/15.06.2021

“Excellence diploma with Gold Medal” awarded by the Jury of ProInvent 2021

OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Composition for restoring paper from documents affected by microorganisms; A00818/09.12.2020

“Excellence diploma with Gold Medal” awarded by the Jury of ProInvent 2021

2021: SALONUL Internațional de Invenții și Inovații „Traian Vuia” Timișoara, ediția a VII -a, perioada 13-15 octombrie 2021

Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020

“Gold Medal” awarded by the Jury of Traian Vuia 2021

Codina MOVILEANU, Denisa FICAI, Anton FICAI, Manuela CĂLIN, Maria Florentina ANGHELACHE, Anca Violeta GAFENCU, Gheorghe FUNDUEANU-CONSTANTIN, Mariana PINTEALA, Maya SIMIONESCU, Ecaterina ANDRONESCU; Sisteme inteligente de nanoparticule pentru internalizare celulară; A/00339/15.06.2021

“Gold Medal” awarded by the Jury of Traian Vuia 2021

OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Composition for restoring paper from documents affected by microorganisms; A00818/09.12.2020

“Gold Medal” awarded by the Jury of Traian Vuia 2021

Diploma de Excelență pentru participarea în comisia de jurizare

2021: 6th International Invention Innovation Competition in Canada – ICan 2021; August 28, Toronto, Canada

Denisa Fikai, Ioana Lavinia Ardelean, Cornalia Ioana Ilie, Manuela Calin, Elena-Valeria Fuior, Adrian Fifere, Mariana Pinteala, Gheorghe Constantin Fundeanu, Anton Fikai, Maya Simionescu, Ecaterina Andronescu; Vertical (electro) magnetic separator of isomagnetic nanoparticles; A/01055/05.12.2018

“Gold medal” awarded by the International Jury of ICan 2021

“Special Award” awarded by Korea Invention Academy (KiA)

2021: 14th International Invention and Innovation Show, Intarg 2021 15-16 June, online 2021

Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020

Silver Medal awarded by International Jury of the Salon

The Best Foreign Innovation Award

Platinum Award

OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Composition for restoring paper from documents affected by microorganisms; A00818/09.12.2020

Silver Medal awarded by International Jury of the Salon

Special Prize awarded by International Federation of Inventors' Associations (IFIA)



2021: 13rd European Exhibition of Creativity and Innovation-EuroInvent 2021, 19-22 May 2021, Iasi(online), Romania  
 OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Composition for restoring paper from documents affected by microorganisms; A00818/09.12.2020  
 Silver Medal awarded by International Jury of the Salon  
 Special Prize awarded by ARTA  
 Georgiana DOLETE, Denisa FICAI, Gheorghe MARIN, Anton FICAI, Paul SVASTA, Ecaterina ANDRONESCU; Exploitation of the magnetic nanoparticles in developing magnetic micro-devices;  
 Bronze Medal awarded by International Jury of the Salon  
 Liliana MARINESCU, Laura-Florentina BOANTA, Anton FICAI, Denisa FICAI, Ecaterina ANDRONESCU; Treatment Procedure For Various Natural Or Synthetic Surfaces With The Scope Of Inducing Antimicrobial, Antibiofilm, Antifungal, Antialgic Or Antiviral Activities Based On Nanotechnology; A/00075/25.02.2021  
 Silver Medal awarded by International Jury of the Salon  
 "Excellence diploma with special mention" awarded by State University of Medicine and Pharmacy „Nicolae Testemițanu”, Moldova

2020: SALONUL Internațional de Inventii și Inovații „InventCor” Deva, ediția I, perioada 17-19 December 2020  
 Anton FICAI, Ecaterina ANDRONESCU, Denisa FICAI, Maria SONMEZ, Ioan Avram NEDELICU, Madalina Georgiana ALBU; Bone Grafts based on Collagen, Calcium Phosphate and Zinc and Process for their Manufacturing; RO129822  
 Creative Award – international Jury  
 Gold Medal awarded by International Jury of the Salon  
 Denisa FICAI, Ioana Lavinia Ardelean, Cornalia Ioana Ilie, Manuela Calin, Elena-Valeria Fuior, Adrian Fifere, Mariana Pinteala, Gheorghe Constantin Fundeanu, Anton FICAI, Maya Simionescu, Ecaterina Andronescu; Vertical (electro)magnetic separator of isomagnetic nanoparticles; A 01055/05.12.2018  
 Gold Medal awarded by International Jury of the Salon  
 Denisa FICAI, Andreea Iliev, Anton FICAI, Violeta Georgeta Trusca, Anca Violeta Gafencu, Sanda-Maria Bucatariu, Gheorghe Constantin Fundeanu, Maya Simionescu, Ecaterina Andronescu; Polymer vesicles and tubes and related technology of manufacturing; A01054/05.12.2018  
 Gold Medal awarded by International Jury of the Salon  
 Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020  
 Gold Medal awarded by International Jury of the Salon  
 OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Compositions and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria; A00798\_27.11.2019  
 Gold Medal awarded by International Jury of the Salon  
 Suci Alexandru, Semenescu Augustin, FICAI Anton, Suci Ioan Alexandru; Multifunctional medical device for the treatment of the anorectal pathologies; RO A00725/2019  
 Gold Medal awarded by International Jury of the Salon  
 Suci Alexandru, Semenescu Augustin, FICAI Anton, Suci Ioan Alexandru; Semisolid formulation for combination topical therapy of common, benign anorectal disorders; RO A00726/2019  
 Gold Medal awarded by International Jury of the Salon  
 2020: SALONUL internațional de Inventii și Inovații „ProInvent” Cluj Napoca, , perioada 13-15 Octombrie 2020  
 Special Prize awarded to UPB for all their contribution  
 Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020  
 Gold Medal awarded by International Jury of the Salon  
 OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila;

ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Compositions and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria; A00798\_27.11.2019  
 Gold Medal awarded by International Jury of the Salon  
 Gold Medal and Diploma awarded by INFLPR  
 OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Compositions and process for treating leather-based products for inducing antibacterial and antifungal properties; A00798\_27.11.2019  
 Gold Medal awarded by International Jury of the Salon  
 Gold Medal and Diploma awarded by INFLPR  
 2020: SALONUL internațional de Invenții și Inovații „Traian Vuia” Timișoara, ediția a VI -a, perioada 13-15 octombrie 2020  
 Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020  
 Gold Medal awarded by International Jury of the Salon  
 OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Compositions and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria; A00798\_27.11.2019  
 Gold Medal awarded by International Jury of the Salon  
 Suciu Alexandru, Semenescu Augustin, Ficai Anton, Suciu Ioan Alexandru; Multifunctional medical device for the treatment of the anorectal pathologies; RO A00726/2019  
 Gold Medal awarded by International Jury of the Salon  
 Suciu Alexandru, Semenescu Augustin, Ficai Anton, Suciu Ioan Alexandru; Semisolid formulation for combination topical therapy of common, benign anorectal disorders; RO A00726/2019  
 Silver Medal awarded by International Jury of the Salon  
 Excellence Diploma for prof. dr. ing. Anton FICAI for the entire activity  
 2020: 5th International Invention Innovation Competition in Canada – ICan 2020; August 29, Toronto, Canada  
 Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020  
 “Gold medal” awarded by the International Jury of ICan 2020  
 “Special Award and Excellence diploma” awarded by TISIAS  
 2020: 12nd European Exhibition of Creativity and Innovation-EuroInvent 2020, 21-23 May 2020, Iasi, Romania  
 Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU; Compositions and process for treating the materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity; A/00244/06.05.2020  
 Gold Medal awarded by International Jury of EuroInvent 2020  
 Special Award Universitatea POLITEHNICA Timisoara  
 Special Award ARTA Sibiu  
 Special Prize of Petroleum-Gas University of Ploiești  
 Innovation Award ICECHIM  
 Special Award - USAMV Bucharest  
 OPREA Ovidiu Cristian; FICAI Anton; FICAI Denisa; MOTELICA Ludmila; ANDRONESCU Ecaterina; TRUȘCA Roxana Doina; Compositions and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria; A00798\_27.11.2019  
 Silver Medal awarded by International Jury of EuroInvent 2020  
 Special Award Facultatea de Inginerie din Hunedoara  
 Special Award INCDP-ICECHIM  
 Suciu Alexandru, Semenescu Augustin, Ficai Anton, Suciu Ioan Alexandru;

SEMISOLID FORMULATION FOR COMBINATION TOPICAL THERAPY OF COMMON, BENIGNANORECTAL DISORDERS; RO A00726/2019  
Silver Medal awarded by International Jury of EuroInvent 2020  
Special Award Asociatia Corneliu Group

2019: International Specialized Exhibition "INFOINVENT2019"- XVIth Edition, 20-23 November 2019, Chisinau, Republic of Moldova

„Antibiotic resistance in wastewater: Transmission risks for employees and residents around wastewater treatment plants - Rezistența la antibiotice în apele uzate: riscuri de transmisie pentru angajați și rezidenți în jurul stațiilor de tratare a apelor uzate” Authors Laura Ioana Popa, Ilda Czobor Barbu, Irina Gheorghe, Luminița Măruțescu, Marcela Popa, Ionela Sârbu, Grațiela Grădișteanu, Bianca Trușcă, Anton FICAI, Dan Eduard Mihaiescu, Bogdan Purcarea, Oana Săndulescu, Anca Streinu Cercel, Dan Oțelea, Adrian Streinu Cercel, Violeta Corina Cristea, Mihai Nita Lazar, Alina Banciu, Veronica Lazăr, Mariana Carmen Chifriuc

“Gold medal” awarded by International Jury of InfolInvent 2019

“Excellence diploma with special mention” awarded by State University of Medicine and Pharmacy „Nicolae Testemițanu”, Moldova

“Excellence diploma” awarded by University of Agronomic Science and Veterinary Medicine „King Mihai I of Romania”, Timișoara

Denisa FICAI, Ioana ARDELEAN, Cornelia ILIE, Manuela CĂLIN, Elena-Valeria FUIOR, Adrian FIFERE, Mariana PINTEALĂ, Gheorghe FUNDUEANU-CONSTANTIN, Anton FICAI, Maya SIMIONESCU, Ecaterina ANDRONESCU  
“Separator (electro)magnetic vertical a nanoparticulelor izomagnetice”, A 01055/05.12.2018 înregistrată la OSIM

“Gold medal” awarded by the International Jury of InfolInvent 2019

“Excellence diploma with gold medal” awarded by State University of Medicine and Pharmacy „Nicolae Testemițanu”, Moldova

“Polymer vesicles and tubes and technology of manufacturing / Vezicule și tuburi polimerice și tehnologie de obținere a acestora”, Denisa FICAI; Andreea ILIEV; Anton FICAI; Violeta Georgeta TRUSCA; Anca Violeta GAFENCU; Sanda-Maria BUCATARIU; Gheorghe FUNDUEANU-CONSTANTIN; Maya SIMIONESCU; Ecaterina ANDRONESCU

“Gold medal” awarded by the International Jury of InfolInvent 2019

“Gold medal” awarded by Technical University of Moldova

“Excellence diploma and Mechatronic Group Trophy” awarded by Mechatronic & Cyber - MixMechatronic for Future Group

“Excellence diploma” awarded by State University of Medicine and Pharmacy „Nicolae Testemițanu”, Moldova

2019: 4th International Invention Innovation Competition in Canada – Ican 2019; August 23-24, Toronto, Canada

“Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment” authors: A FICAI, E ANDRONESCU, C. D. GHITULICA, D. FICAI, Georgeta VOICU, G. M. ALBU

“Gold medal” awarded by the International Jury of ICan 2019

“Special Prize and Excellence diploma” awarded by the delegate of Thailand

“Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer”, Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE A/00238/2013)

“Gold medal” awarded by the International Jury of ICan 2019

“Special Prize and Excellence diploma” awarded by the Moroccan Delegation

“Certificate of Appreciation” awarded by the International Jury of ICan2019 to Anton FICAI

2019: 11h European Exhibition of Creativity and Innovation-EuroInvent 2019, 16-18 May 2019, Iasi, Romania

“Polymer vesicles and tubes and technology of manufacturing / Vezicule și tuburi polimerice și tehnologie de obținere a acestora”, Denisa FICAI; Andreea ILIEV; Anton FICAI; Violeta Georgeta TRUSCA; Anca Violeta GAFENCU; Sanda-Maria

BUCATARIU; Gheorghe FUNDUEANU-CONSTANTIN; Maya SIMIONESCU; Ecaterina ANDRONESCU- A 01054/05.12.2018

“Gold medal and Excellence diploma” awarded by the international Jury of Euroinvent 2019

Gold medal and Excellence diploma” awarded by “Carol Davila” University of Medicine and Pharmacy Bucharest

Excellence award and Gold medal and Excellence diploma” awarded by ICECHIM Bucharest

Gold medal and Excellence diploma, awarded by “Romanian Association of Pteridology, Bucharest

Special Prize awarded by “Alexandru Ioan Cuza” University of Iasi

“Vertical electromagnetic separator of the isomagnetic nanoparticles / Separator (electro)magnetic vertical a nanoparticulelor izomagnetice”, Denisa FICAI, Ioana ARDELEAN, Cornelia ILIE, Manuela CĂLIN, Elena-Valeria FUIOR, Adrian FIFERE, Mariana PINTEALĂ, Gheorghe FUNDUEANU-CONSTANTIN, Anton FICAI, Maya SIMIONESCU, Ecaterina ANDRONESCU; National patent application A 01055/05.12.2018

“Gold medal and Excellence diploma” awarded by the international Jury of Euroinvent 2019

Gold medal and Excellence diploma” awarded by NIRD URBAN-INCERC

2019: 23rd International Exhibition of Inventions – Inventica 2019, 26-18 June 2019, Iasi, Romania

„Antibiotic resistance in wastewater: Transmission risks for employees and residents around wastewater treatment plants - Rezistența la antibiotice în apele uzate: riscuri de transmisie pentru angajați și rezidenți în jurul stațiilor de tratare a apelor uzate” Authors Laura Ioana Popa, Ilda Czobor Barbu, Irina Gheorghe, Luminița Măruțescu, Marcela Popa, Ionela Sârbu, Grațiela Grădișteanu, Bianca Trușcă, Anton FICAI, Dan Eduard Mihaiescu, Bogdan Purcarea, Oana Săndulescu, Anca Streinu Cercel, Dan Oțelea, Adrian Streinu Cercel, Violeta Corina Cristea, Mihai Nita Lazar, Alina Banciu, Veronica Lazăr, Mariana Carmen Chifiriuc

“Diploma of Excellence” awarded by International Jury of Inventica 2019

“Vertical electromagnetic separator of the isomagnetic nanoparticles / Separator (electro)magnetic vertical a nanoparticulelor izomagnetice”, Denisa FICAI, Ioana ARDELEAN, Cornelia ILIE, Manuela CĂLIN, Elena-Valeria FUIOR, Adrian FIFERE, Mariana PINTEALĂ, Gheorghe FUNDUEANU-CONSTANTIN, Anton FICAI, Maya SIMIONESCU, Ecaterina ANDRONESCU; National patent application A 01055/05.12.2018

“Diploma of honour and Gold Medal” awarded by the International Jury of Inventica 2019

“Special Prize” awarded by SodinExpo, Russia

“Polymer vesicles and tubes and technology of manufacturing / Vezicule și tuburi polimerice și tehnologie de obținere a acestora”, Denisa FICAI; Andreea ILIEV; Anton FICAI; Violeta Georgeta TRUSCA; Anca Violeta GAFENCU; Sanda-Maria BUCATARIU; Gheorghe FUNDUEANU-CONSTANTIN; Maya SIMIONESCU; Ecaterina ANDRONESCU- A 01054/05.12.2018

“Diploma of honour and Gold Medal” awarded by the International Jury of Inventica 2019

“Special Prize” awarded by SodinExpo, Russia

“Excellence diploma” awarded by State University of Medicine and Pharmacy „Nicolae Testemițanu”, Moldova

Gold Medal Award for Excellence awarded to Anton FICAI; awarded by “Carol Davila” University of Medicine and Pharmacy, Bucharest

“Gold medal and Excellence diploma, awarded by “Romanian Association of Pteridology, Bucharest to Anton FICAI

2019: International Salon for Scientific Research, Innovation and Inventions, “ProInvent”, 20-22 March 2019, Cluj Napoca, Romania

“Polymer vesicles and tubes and technology of manufacturing / Vezicule și tuburi polimerice și tehnologie de obținere a acestora”, Denisa FICAI; Andreea ILIEV; Anton FICAI; Violeta Georgeta TRUSCA; Anca Violeta GAFENCU; Sanda-Maria

BUCATARIU; Gheorghe FUNDUEANU-CONSTANTIN; Maya SIMIONESCU; Ecaterina ANDRONESCU- A 01054/05.12.2018

Diplomă de excelență și medalia de aur awarded by the International Jury of ProInvent

“Special Prize and Excellence diploma” awarded by University of Agronomic Science and Veterinary Medicine, Bucharest

“Excellence diploma and Gold medal” awarded by Technical University of Moldova

“Excellence diploma” awarded by Iustin Capra Association

“Vertical electromagnetic separator of the isomagnetic nanoparticles / Separator (electro)magnetic vertical a nanoparticulelor izomagnetice”, Denisa FICAI, Ioana ARDELEAN, Cornelia ILIE, Manuela CĂLIN, Elena-Valeria FUIOR, Adrian FIFERE, Mariana PINTEALĂ, Gheorghe FUNDUEANU-CONSTANTIN, Anton FICAI, Maya SIMIONESCU, Ecaterina ANDRONESCU; National patent application A 01055/05.12.2018

“Excellence diploma and Gold medal” awarded by the International Jury of ProInvent

“Special Prize and Excellence diploma” awarded by University of Agronomic Science and Veterinary Medicine, Bucharest

“Excellence diploma” awarded by University of Agronomic Science and Veterinary Medicine, “King Mihai I of Romania”, Timisoara

“Special Prize” awarded by Romanian Association for Alternative Technologies – ARTA Sibiu

Special Award awarded by Corneliu Group; Special Award awarded by Romanian Association for Alternative Technologies;

“Excellence diploma and INCDMTM Trophy” awarded by INCDMTM

“Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment” authors: A FICAI, E ANDRONESCU, C. D. GHITULICA, D. FICAI, Georgeta VOICU, G. M. ALBU

“Excellence diploma and Gold medal” awarded by the International Jury of ProInvent

“Special Prize and Excellence diploma” awarded by University of Agronomic Science and Veterinary Medicine, Bucharest

“Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer”, Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE A/00238/2013)

“Excellence diploma and Gold medal” awarded by the International Jury of ProInvent

“Special Prize and Excellence diploma” awarded by University of Agronomic Science and Veterinary Medicine, Bucharest

“Excellence diploma with special mention” awarded by State University of Medicine and Pharmacy „Nicolae Testemițanu”, Moldova

“Functionalized magnetic systems for environmental applications; Denisa FICAI, Ecaterina ANDRONESCU, Cornelia GURAN, Anton FICAI, A00164/2011”

“Excellence diploma and Gold medal” awarded by the International Jury of ProInvent

2019: IDEA-EXPO 2019 IDEA, Novelty, Invention, Art and Crafts International Exhibition and Fair, 06-07 April 2019, Szolnok, Hungary

“Functionalized magnetic systems for environmental applications; Denisa FICAI, Ecaterina ANDRONESCU, Cornelia GURAN, Anton FICAI, A00164/2011”

“Excellence diploma” awarded by the International Jury of IDEA

“Polymer vesicles and tubes and technology of manufacturing / Vezicule și tuburi polimerice și tehnologie de obținere a acestora”, Denisa FICAI; Andreea ILIEV; Anton FICAI; Violeta Georgeta TRUSCA; Anca Violeta GAFENCU; Sanda-Maria BUCATARIU; Gheorghe FUNDUEANU-CONSTANTIN; Maya SIMIONESCU; Ecaterina ANDRONESCU- A 01054/05.12.2018

“Excellence diploma” awarded by the International Jury of IDEA

“Vertical electromagnetic separator of the isomagnetic nanoparticles / Separator (electro)magnetic vertical a nanoparticulelor izomagnetice”, Denisa FICAI, Ioana ARDELEAN, Cornelia ILIE, Manuela CĂLIN, Elena-Valeria FUIOR, Adrian FIFERE, Mariana PINTEALĂ, Gheorghe FUNDUEANU-CONSTANTIN, Anton FICAI, Maya SIMIONESCU, Ecaterina ANDRONESCU; National patent

application A 01055/05.12.2018  
 "Excellence diploma" awarded by the International Jury of IDEA

"Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment" authors: A FICAI, E ANDRONESCU, C. D. GHITULICA, D. FICAI, G VOICU, G. M. ALBU  
 "Excellence diploma" awarded by the International Jury of IDEA

"Osteoconductive and osteoinductive bone grafts and process for their manufacturing" authors A. FICAI, E. ANDRONESCU, M.G. ALBU, D. FICAI, M. SONMEZ  
 "Excellence diploma" awarded by the International Jury of IDEA

"Functionalized magnetic systems for environmental applications; Denisa FICAI, Ecaterina ANDRONESCU, Cornelia GURAN, Anton FICAI, A00164/2011"  
 "Excellence diploma" awarded by the International Jury of IDEA

2019: Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition - Thailand Inventors' Day 2019" 2-6 February 2019  
 "Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment" authors: A FICAI, E ANDRONESCU, C.D. GHITULICA, D. FICAI, Georgeta VOICU, G.M. ALBU  
 "Gold medal" awarded by the International Jury of IPITEX  
 "Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer", Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE A/00238/2013)  
 "Gold medal" awarded by the International Jury of IPITEX  
 "Special Award" awarded by Advanced Tech Smart

2018: World Competition of Chemical Inventions IWIS2018\_15-17Oct 2018, Warsaw, Poland  
 "Bronze medal" awarded for the invention "Osteoconductive and osteoinductive bone grafts and process for their manufacturing" authors A. FICAI, E. ANDRONESCU, M.G. ALBU, D. FICAI, M. SONMEZ;  
 "Silver Medal" for the patent "Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment" authors: A FICAI, E ANDRONESCU, C. D. GHITULICA, D. FICAI, Georgeta VOICU, G. M. ALBU  
 "Silver Medal" for the patent "Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer", Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE A/00238/2013)  
 "Bronze medal" awarded for "Functionalized magnetic systems for environmental applications", Denisa FICAI, Anton FICAI, Cornelia GURAN, Ecaterina ANDRONESCU, A00164/2011; (RO127889 (A2); RO127889 (B1))

2018 20th International Conference on Synthetic Polymer Chemistry, Nanoscience and Nanotechnology - ICSPCNN 2018:  
 Certificate of Best Presentation Award for the paper „Synthesis and Characterization of Some Alginate Hollow Fibres Using Co-Axial Needles" authored by Anton FICAI, Ioana Lavinia Ardelean, Roxana Doina Trusca, Bogdan Stefan Vasile, Denisa FICAI, Ecaterina Andronescu

2018 International Salon for Scientific Research, innovation and Inventions, "ProInvent", Cluj Napoca, Romania  
 "Gold medal with special mention" (for the patent application A00734/27. 09. 2017 "Innovative formulations for dental applications" authors: Anton FICAI, Denisa FICAI, Ovidiu OPREA, Ecaterina ANDRONESCU, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Ludmila MOTELICA);  
 "Excellence diploma" awarded by Justin Capra Association (for the patent application A00734/27. 09. 2017 "Innovative formulations for dental applications" authors: A FICAI, D FICAI, O OPREA, E ANDRONESCU, S MANEA, A-M PANGICĂ, P BODOGA, L MOTELICA);  
 "Gold medal and Excellence diploma" awarded by "Nicolae Testemițeanu" Medicine and Pharmacy State University, Moldavia (for the patent application A00734/27. 09. 2017 "Innovative formulations for dental applications" authors: Anton FICAI, Denisa FICAI, Ovidiu OPREA, Ecaterina ANDRONESCU, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Ludmila MOTELICA);

“Gold medal with special mention” (for the patent application A01045/07.12. 2017 “Polymer/Ceramic Composite Materials and Process for their Manufacturing” authors: A FICAI, MG ALBU-KAYA, D FICAI, V MITRAN, A CIMPEAN, E ANDRONESCU)

“Excelence diploma” awarded by Justin Capra Association (for the patent application A01045/07. 12. 2017 “Polymer/Ceramic Composite Materials and Process for their Manufacturing” authors: A FICAI, MG ALBU-KAYA, D FICAI, V MITRAN, A CIMPEAN, E ANDRONESCU)

“Excellence Diploma” awarded by “Nicolae Testemițeanu” Medicine and Pharmacy State University, Moldavia (for the patent application A01045/07. 12. 2017 “Polymer/Ceramic Composite Materials and Process for their Manufacturing” authors: A FICAI, MG ALBU-KAYA, D FICAI, V MITRAN, A CIMPEAN, E ANDRONESCU).

2018 Salonul Internațional de Invenții și Inovații “Traian VUIA”, Timișoara, Romania

“Gold medal” (for the patent application “Compositions and process for obtaining innovative enzymatic formulations for root canal lavage” authors Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Camelia AGAPESCU);

“Gold Medal” for the patent “Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment” authors: A FICAI, E ANDRONESCU, C. D. GHITULICA, D. FICAI, Georgeta VOICU, G. M. ALBU

“Bronze Medal” (for the patent application “Bone grafts based on collagen, calcium phosphate and zinc and process for their manufacturing” authors A. FICAI, E. ANDRONESCU, D. FICAI, M. SONMEZ, I. A. NEDELUCU, M. G. ALBU);

“Gold Medal” (for the patent application “Grefe osoase osteoinductive si osteoconductive si procedeu de obținere a acestora” A00239/23. 03. 2013);

“Gold Medal” (for the invention “Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer” A/00238/2013)

“Gold Medal” (for the invention “Functionalized magnetic systems for environmental applications” RO 127889)

“Special Award” awarded by Otlet Club 13 for the series of the presented inventions

“Special Prize” awarded by State University of Medicine and Pharmacy “Nicolae Testemițeanu”, Moldova (for the patent application “Bone grafts based on collagen, calcium phosphate and zinc and process for their manufacturing” authors A. FICAI, E. Andronescu, D. FICAI, M. Sonmez, I.A. Nedelcu, M.G. Albu);

“Special Prize” awarded by State University of Medicine and Pharmacy “Nicolae Testemițeanu”, Moldova (for the invention “Osteoconductive and osteoinductive bone grafts and process for their manufacturing” authors A. FICAI, E. Andronescu, M.G. Albu, D. FICAI, M. Sonmez);

“Special Prize + Gold Medal” awarded by State University of Medicine and Pharmacy “Nicolae Testemițeanu”, Moldova (for the patent “Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment” authors: A FICAI, E Andronescu, C.D. Ghitulica, D. FICAI, G. Voicu, G.M. Albu);

“Special Prize” awarded by Universitatea de Medicină și Farmacie “Victor Babeș” din Timișoara (for the patent “Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment” authors: A FICAI, E Andronescu, C.D. Ghitulica, D. FICAI, G. Voicu, G.M. Albu);

“Excellence Diploma” awarded by Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania”, Timișoara (for the researches in the medical field for the authors A. FICAI, D. FICAI, M Sonmez, O Oprea, BS Vasile, S Manea, AM Pangica, P Bodoga, C Agapescu, C.D. Ghitulica, E Andronescu);

2018: 22th International Exhibition of Inventics - Inventica; 27-29. 06. 2018, Iasi, Romania

“Gold medal” (for the patent application A01045/07. 12. 2017 “Polymer/Ceramic Composite Materials and Process for their Manufacturing” authors: Anton FICAI, Mădălina Georgiana ALBU-KAYA, Denisa FICAI, Valentina MITRAN, Anișoara CIMPEAN, Ecaterina ANDRONESCU);

“Gold medal” (for the project “Novel nanostructured polymeric composite designed for pallet lining, connecting plate and other components for the railway industry” authors: Anton FICAI, Laura ALEXANDRESCU, Ligian TUDOROIU);

“Gold medal” (for the project “Titanium Oxynitride Coatings for the Improvement of Biocompatibility and Long-Term Functionality of Cardiovascular Stents:

Development of Novel Deposition Technology- TIOXTECH-BIO" authors: A Fikai, OR Duta, D Fikai, E. Andronescu, et al.)

"Excellence diploma and Gold Medal" awarded by ICECHIM (for the patent application A00734/27. 09. 2017 "Innovative formulations for dental applications" authors: Anton FICAI, Denisa FICAI, Ovidiu OPREA, Ecaterina ANDRONESCU, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Ludmila MOTELICA);

"Excellence diploma and Gold Medal" awarded by ICECHIM (for the project "Titanium Oxynitride Coatings for the Improvement of Biocompatibility and Long-Term Functionality of Cardiovascular Stents: Development of Novel Deposition Technology- TIOXTECH-BIO" authors: A Fikai, OR Duta, D Fikai, E. Andronescu, et al.);

"Special Prize + Gold Medal" awarded by State University of Medicine and Pharmacy "Nicolae Testemițanu", Moldova (for the project "Titanium Oxynitride Coatings for the Improvement of Biocompatibility and Long-Term Functionality of Cardiovascular Stents: Development of Novel Deposition Technology- TIOXTECH-BIO" authors: A Fikai, OR Duta, D Fikai, E. Andronescu, et al.);

"Special Prize" awarded by "Lucian Blaga" University of Sibiu (for the patent application A00734/27. 09. 2017 "Innovative formulations for dental applications" authors: Anton FICAI, Denisa FICAI, Ovidiu OPREA, Ecaterina ANDRONESCU, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Ludmila MOTELICA);

"Innovation Award" awarded by "Carol Davila" University of Medicine and Pharmacy, Bucharest (for the project "Titanium Oxynitride Coatings for the Improvement of Biocompatibility and Long-Term Functionality of Cardiovascular Stents: Development of Novel Deposition Technology- TIOXTECH-BIO" authors: A Fikai, OR Duta, D Fikai, E. Andronescu, et al.);

2018: 10th European Exhibition of Creativity and Innovation-EuroInvent 2017, 17-19 may 2018, Iasi, Romania

"Gold Medal" for the patent application A00734/27. 09. 2017 "Innovative formulations for dental applications" authors: Anton FICAI, Denisa FICAI, Ovidiu OPREA, Ecaterina ANDRONESCU, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Ludmila MOTELICA;

"Silver medal" (for the patent application A01045/07. 12. 2017 "Polymer/Ceramic Composite Materials and Process for their Manufacturing" authors: Anton FICAI, Mădălina Georgiana ALBU-KAYA, Denisa FICAI, Valentina MITRAN, Anișoara CIMPEAN, Ecaterina ANDRONESCU);

"Special Prize" awarded by Universitatea Tehnică a Moldovei (for the patent application A01045/07. 12. 2017 "Polymer/Ceramic Composite Materials and Process for their Manufacturing" authors: Anton FICAI, Mădălina Georgiana ALBU-KAYA, Denisa FICAI, Valentina MITRAN, Anișoara CIMPEAN, Ecaterina ANDRONESCU);

2017 Best paper awarded by WASET during 19th International Conference on Environmental, Biomedical and Biotechnology – ICEBB 2017: held at Venice, Italy for the paper "Collagen/Hydroxyapatite Compositions doped with Transitional Metals for bone tissue Engineering Applications" authors; Denisa FICAI, Anton FICAI, Dragos GUDOVAN, Iulia GUDOVAN, Ioana ARDELEAN, Roxana TRUSCA, Ecaterina ANDRONESCU, Valentina MITRAN, Anișoara CIMPEAN.

2017 Best paper awarded by ASET during 8TH International Conference on Nanotechnology: Fundamentals and Applications - ICNFA'17 held at Rome, Italy for the paper Design of TiOxNy for coating technology, Anton Fikai, Denisa Fikai, Bogdan Stefan Vasile, Roxana Doina Trusca, Dragos Gudovan, Ovidiu Oprea, Motelica Ludmila, Ecaterina Andronescu.

2017 Best paper awarded by WASET during 19th International Conference on Nanotechnology and Nanomedicine the - ICNN 2017: held at Prague, Czech Republic for the paper: Nanostructured Wound Dressings for Prevention and Treatment of Skin Infections, Anton FICAI, Roxana Doina TRUSCA, Alina Holban, Denisa FICAI, Ecaterina ANDRONESCU.

2017: 21th International Exhibition of Inventics - Inventica; 28-30. 06. 2017, Iasi, Romania

"Gold medal" (for the project "Cellulose fibers functionalization in order to design the properties of the finite products" authors Anton FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Denisa FICAI, Ioan Avram NEDELICU; Madalina Georgiana ALBU);



“Gold medal” (for the invention “Compositions and process for obtaining innovative enzymatic formulations for root canal lavage” authors Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Camelia AGAPESCU)

“Gold medal” (for the patent “Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment” authors: A FICAI, E ANDRONESCU, C. D. GHITULICA, D. FICAI, Georgeta VOICU, G. M. ALBU)

“Gold medal” (for the patent application “Bone grafts based on collagen, calcium phosphate and zinc and process for their manufacturing” authors A. FICAI, E. ANDRONESCU, D. FICAI, M. SONMEZ, I. A. NEDELUCU, M. G. ALBU)

”Special prize” awarded by Romanian Association for alternative Technologies – ARTA Sibiu (for the invention “Compositions and process for obtaining innovative enzymatic formulations for root canal lavage” authors Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Camelia AGAPESCU);

“Special prize” awarded by State University of Medicine and Pharmacy “Nicolae Testemițanu”, Moldova (for the project “Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment” authors: Anton FICAI, Ecaterina ANDRONESCU, Cristina Daniela GHITULICA, Denisa FICAI, Georgeta VOICU, Georgiana Madalina ALBU);

“Special prize” awarded by State University of Medicine and Pharmacy “Nicolae Testemițanu”, Moldova (for the invention “Compositions and process for obtaining innovative enzymatic formulations for root canal lavage” authors Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Camelia AGAPESCU)”.

2017: 9th European Exhibition of Creativity and Innovation-EuroInvent 2017, 25-27. 05. 2017; Iași, Romania

“Gold medal” (for the invention “Bone grafts based on collagen, calcium phosphates and zinc and process for their manufacturing” authors Anton FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Denisa FICAI, Ioan Avram NEDELUCU; Madalina Georgiana ALBU);

”Special prize” awarded by Institutul de Chimie al Academiei de Științe din Moldova (for the invention “Bone grafts based on collagen, calcium phosphates and zinc and process for their manufacturing” authors Anton FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Denisa FICAI, Ioan Avram NEDELUCU; Madalina Georgiana ALBU);

”Special prize” awarded by Universitatea Lucian Blaga din Sibiu (for the invention “Bone grafts based on collagen, calcium phosphates and zinc and process for their manufacturing” authors A FICAI, E ANDRONESCU, M SONMEZ, D FICAI, IA NEDELUCU; MG ALBU);

“Silver medal” (for the invention “Compositions and process for obtaining innovative enzymatic formulations for root canal lavage” authors A FICAI, D FICAI, O OPREA, S MANEA, A-M PANGICĂ, P BODOGA, C AGAPESCU)

”Special prize” awarded by Universitatea de Stat din Tiraspol (for the invention “Compositions and process for obtaining innovative enzymatic formulations for root canal lavage” authors Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICĂ, Petru BODOGA, Camelia AGAPESCU)

2016: BRUSSELS INNOVA - The World Exhibition on Inventions, Research and New Technologies, 17 – 19. 11. 2016; Bruxelles, Belgium

“Gold medal” (for the invention “Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer”)

”Special prize” awarded by Taiwan during the Award Ceremony

2016: 8th European Exhibition of Creativity and Innovation-EuroInvent 2016, 19-21. 05. 2016; Iași, Romania

“Gold medal” (for the invention “Magnetite/thioacids@Ag or Au multifunctional systems used for diagnosis and targeted delivery in cancer”)

“Gold medal” (for the invention “Synthesis procedure of some multifunctional composite materials with potential application in bone cancer treatment”)

“Silver medal” (for the invention “Osteoconductive and osteoinductive bone grafts and process for their manufacturing”)

“Silver medal” (for the invention “Functionalized magnetic systems for environmental applications, A00164/2011”);

"Special prize" (for the invention "Synthesis procedure of some multifunctional composite materials with potential application in bone cancer treatment") awarded by iSentinel – Mircea MANOLESCU

2016: XXth International Salon of Research, Innovation and Technological Transfer - Inventica 2016; 29. 06-01. 07. 2016, Iasi, Romania

Gold medal – The Hamangia Thinker (for the invention "Functionalized magnetic systems for environmental applications, A00164/2011");

"Gold medal" (for the invention "Osteoconductive and osteoinductive bone grafts and process for their manufacturing")

"Gold medal" (for the invention "Multifunctional system based on Magnetite/thioacids@Ag or Au used for diagnosis and targeted delivery in cancer")

2016: 44th International Exhibition of Inventions, 13–17. 04. 2016; Geneva, Switzerland

"Gold medal" (for the invention "Osteoconductive and osteoinductive bone grafts and process for their manufacturing")

"Best Invention Award – Special Prize" awarded by Hong-Kong Science and Technology Parks Corporation

"Honorable mention – Special Prize" awarded by China Delegation of Inventions and Innovation

"Special prize" awarded by Turkish Patent Institute.

2015: 7th European Exhibition of Creativity and Innovation-EuroInvent 2015, Iași, Romania

"Gold medal" (for patent application "Layered Composite Based on Polypropylene Reinforced with Treated Glass Fibre Fabric").

2012: BRUSSELS INNOVA - The World Exhibition on Inventions, Research and New Technologies (for bone cancer treatment)

"Gold medal" (Procedeu de obtinere a unor materiale compozite cu potentiale aplicatii în tratarea cancerului osos, Patent No. 127725/30. 03. 2015)

2012: Prize: "Best Published Paper–2009" awarded by Syscomm–"Materiale Plastice"

2011: Prize: "In tempore opportuno" awarded by University POLITEHNICA of Bucharest

2005: Valedictorian diploma awarded by University POLITEHNICA of Bucharest/ Faculty of Applied Chemistry and Materials Science

2005: 2nd Prize: Annual Session of Scientific Communications - Analytic Chemistry Section awarded by University POLITEHNICA of Bucharest– Faculty of Applied Chemistry and Materials Science

2005: 2nd Prize: Annual Session of Scientific Communications – Organic Chemistry Section awarded by University POLITEHNICA of Bucharest– Faculty of Applied Chemistry and Materials Science

2004: 2nd Prize: Annual Session of Scientific Communications – CD Nenitzescu Days awarded by University POLITEHNICA of Bucharest– Faculty of Applied Chemistry and Materials Science

2004: Special Prize: Annual Session of Scientific Communications – CD Nenitzescu Days awarded by prof. dr. eng. Claude Matasa, general manager of OrthoCycle Company, Hollywood, Florida, USA

2002: 2nd Prize: Annual Session of Scientific Communications - Inorganic Chemistry Section awarded by University POLITEHNICA of Bucharest– Faculty of Applied Chemistry and Materials Science

2001: 1st Prize: Annual Session of Scientific Communications - Inorganic Chemistry Section awarded by University POLITEHNICA of Bucharest– Faculty of Applied Chemistry and Materials Science

2001: 1st Prize: Petru Spacu Analytical Chemistry Contest awarded by University POLITEHNICA of Bucharest–Faculty of Applied Chemistry and Materials Science

2000: Honorary Citizen issued by Local Council and Municipality of Baia Mare, Romania

2000: Special Prize: Selection for the "Romanian National Chemistry Team" awarded by Romanian Ministry of Education

1999: 3rd Prize: III Chemistry National Olympiad, Brasov awarded by Romanian Ministry of Education

1998: 3rd Prize: Chemistry National Olympiad, Baia Mare awarded by Romanian Ministry of Education

**Comitete științifice**

- 2022: International Symposium of Chemical Engineering and Materials SICHEM 2022, 17-18 November 2022;
- 2022: Virtual International Scientific Conference on “Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2022”, 22-24 June 2022;
- 2022: 35th International Conference on Nanomaterials and Nanotechnology; March 25-26, 2022 Berlin, Germany;
- 2022: Conferința Științifico-Practică Internațională „Instruire prin Cercetare pentru o Societate Prosperă”, ediția a IX-a; Chișinău, 19 – 20 martie 2022;
- 2021: Virtual International Scientific Conference on “Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021” 25-26 June and 25-27 November 2021;
- 2021: A XIII-a Conferință de Știința și Ingineria Materialelor Oxidice, CONSILOX, Alba Iulia, România 1-3 Octombrie 2021;
- 2021: Conferința științifică internațională „Abordări Inter/ Trans-disciplinare în Predarea Științelor Reale, (Concept STEAM)”; Republica Moldova, Chișinău, 29 - 30 octombrie 2021;
- 2020: The 8 International Conference on Advanced Materials and Systems, 1-3 October, Bucharest, ROMANIA;
- 2020: International Symposium of Chemical Engineering and Materials SICHEM 2020; 17-18 September 2020, Bucharest;
- 2020: Simpozionul internațional “Prioritățile Chimiei pentru o Dezvoltare Durabilă”, PrioChem Editia XVI, Bucuresti, 28-30 Octombrie 2020;
- 2020: 10th International Conference on Environmental Pollution and Remediation (ICEPR'20); 19-21 August 2020, Prague, Czech Republic;
- 2019: Școala De Vară: “Nanoparticule inteligente pentru livrarea direcționată de compuși bioactivi: preparare, caracterizare și aplicații”; 23-24 mai 2019;
- 2018: International Symposium of Chemical Engineering and Materials SICHEM 2018, 6-7 September, Bucharest, Romania;
- 2018: International Symposium of Chemical Engineering and Materials SICHEM 2018
- 2018: [2<sup>nd</sup> Biennial Oil, Gas and Petrochemical Conference \(OGPC2018\)](#), Bushehr, Iran, 14 Nov 2018
- 2018: [8<sup>th</sup> International Conference on Environmental Pollution and Remediation \(ICEPR'18\)](#); 19-21 August 2018, Madrid, Spain
- 2017: [Romanian International Conference on Chemistry and Chemical Engineering](#), 6-9 September 2017; Poiana Brasov, Romania.
- 2017: [2017 ICG Annual Meeting and 32<sup>nd</sup> Şişecam Glass Symposium](#); October 22-25<sup>th</sup> 2017, Istanbul, Turkey
- 2016: [6th International Advances in Applied Physics and Materials Science Congress & Exhibition](#), 1-3 June 2016, Steigenberger Hotel Maslak, İstanbul, Turkey

**Specializări și calificări:**

1. Autorat științific organizat de CNCSIS-UPB, 25-26 iunie 2009
2. ESF Summer School in Nanomedicine, 12-16 iunie 2009, Lisabona, Portugalia
3. Stagiul de cercetare la Universitatea de studii din Modena și Reggio Emilia, Italia; Elaborarea de noi biosenzori electrochimici; durata 3 luni
4. Stagiul de cercetare la OrtoCycle Co. Hollywood, Florida, USA; Îmbunătățirea unor adezivi dentari; durata 2 luni

31.03.2022

**Anton FICAI**