

BREVETE

OPREA C. Ovidiu Cristian - **Dr./** din 2007, Profesor/ din 2013

Brevete de invenție și cereri depuse

- B1 1.** Fikai D, Andronescu E, Sonmez M, Fikai A, Oprea O, Vasile B S – “*Multifunction Systems of the Magnetite/Thio Acids/Ag or Au Type, to be Employed in Cancer Diagnosis and Guided Treatment*” - Univ Politehnica din Bucuresti - Patent Number: RO129824-A2, Accession Number: 2015-104593, International Patent Classification: A61K-009/14, Publ. Date 30 Oct 2014
- Ovidiu Oprea, Anton Fikai, Denisa Fikai, Ecaterina Andronescu, Stefan Manea, Anna-Maria Pangică, Petru Bodoga; **Sisteme enzimactice de tratament a canalului radicular; OSIM A/00472/ 2016;**
- Ovidiu Oprea, Anton Fikai, Denisa Fikai, Ecaterina Andronescu, Stefan Manea, Anna-Maria Pangică, Petru Bodoga, Ludmila Motelica, **Compoziție inovativă pentru aplicații dentare (Antibacterial composition for cleaning toothbrushes and dental floss, comprises alcoholic solution for disinfection, chlorhexidine, and zinc oxide nanoparticles coated with natural antibacterial extracts), OSIM A/00734/ 2017** - Patent Number: RO133247-A2, Accession Number: 2019-494116, International Patent Classification: A61K-008/27
- Ovidiu-Cristian Oprea, Anton Fikai, Denisa Fikai, Ludmila Motelica, Roxana Trușcă, Ecaterina Andronescu – “*Compoziții și procedeu de tratare a obiectelor din piele pentru conferirea activității antibacteriene și antifungice*” - A00794 /27.11.2019
- Ovidiu-Cristian Oprea, Anton Fikai, Denisa Fikai, Ludmila Motelica, Roxana Trușcă, Ecaterina Andronescu - “*Compoziții și procedeu de tratare a hârtiei, pergamentului sau altor suporturi ale inscrișurilor, pentru îndepărtarea agenților patogeni de tip fungi, mucegai sau bacterii*” - – A00798 /27.11.2019
- Oprea Ovidiu-Cristian, Fikai Anton, Fikai Denisa, Motelica Ludmila, Andronescu Ecaterina, Trușca Roxana Doina – “*Compoziție pentru restaurarea hârtiei din documentele afectate de microorganisme*” - A/00818/09.12.2020

Brevete de invenție și cereri premiate

- 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*” Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE)
“**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*” Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE)
- 2017: 9th European Exhibition of Creativity and Innovation-EuroInvent 2017, 25-27 mai, Iasi Romania**
Silver medal (for the invention “*Composition and process for obtaining innovative enzymatic formulations for root canal lavage*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Camelia AGAPESCU)
Diplomă de excelență – a Universității de Stat din Tiraspol for the invention “*Composition and process for obtaining innovative enzymatic formulations for root canal lavage*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Camelia AGAPESCU
- 2017: A XXI-a Ediție a Salonului Internațional al Invențiilor, Cercetării, Inovării și Transferului Tehnologic - Inventica 2017, 28-30.06.2017, Iasi Romania.**
Gold medal (for the invention “*Composition and process for obtaining innovative enzymatic formulations for root canal lavage*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Camelia AGAPESCU)
Diplomă de excelență cu mențiune specială– a Universității de Stat de Medicină și Farmacie “Nicolae Testemițanu” din Republica Moldova for the invention “*Composition and process for obtaining innovative enzymatic formulations for root canal lavage*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Camelia AGAPESCU
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);
- 2018: Salonul Internațional al Cercetării Științifice, Inovării și Inventicii “PRO INVENT” 21-23 martie 2018 Cluj-Napoca, România**

- Diplomă de excelență și Medalia de aur cu mențiune specială** – for the invention “*Compoziție inovativă pentru aplicații dentare – Innovative dental products with multiple applications*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Ludmila Motelica
- Diplomă de excelență** a Asociației “Justin Capră” – for the invention “*Compoziție inovativă pentru aplicații dentare – Innovative dental products with multiple applications*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Ludmila Motelica
- Diplomă de excelență** – a Universității de Stat de Medicină și Farmacie “Nicolae Testemițanu” din Republica Moldova – for the invention “*Compoziție inovativă pentru aplicații dentare – Innovative dental products with multiple applications*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Ludmila Motelica
- 2018: 10th European Exhibition of Creativity and Innovation-EuroInvent 2018, 17-19 mai, Iasi Romania**
- Gold Medal** – for the invention “*Compoziție inovativă pentru aplicații dentare – Innovative composition for dental applications*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Ludmila Motelica
- 2018: A IV-a Ediție a Salonului Internațional de Invenții și Inovații “Traian Vuia” Timișoara, 13-15 iunie 2018**
- Medalia de aur** - for the invention “*Composition and process for obtaining innovative enzymatic formulations for root canal lavage*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Camelia AGAPESCU
- Medalia de aur** - for the invention “*Multifunctional systems based on magnetite, thioacids and Ag/Au nanoparticles used for the targeted diagnosis and treatment of cancer*” Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE
- Premiu Special** – Universitatea de Medicină și Farmacie “Victor Babeș” din Timișoara-UMFT - for the invention “*Multifunctional systems based on magnetite, thioacids and Ag/Au nanoparticles used for the targeted diagnosis and treatment of cancer*” Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE
- Excellence Diploma** – Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara – - for the invention “*Composition and process for obtaining innovative enzymatic formulations for root canal lavage*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Camelia AGAPESCU
- 2018: The 22th International Exhibition of Inventions - Inventica 2018, 27-29.06.2018, Iasi Romania**
- Excellence Diploma and Glod Medal** – from The National Institute for Research&Development in Chemistry and Petrochemistry – ICECHIM – Emerging Nanotechnologies Group for the invention “*Compoziție inovativă pentru aplicații dentare – Innovative dental products with multiple applications*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Ludmila Motelica
- Special Prize** – from “Lucian Blaga” University of Sibiu for the invention “*Compoziție inovativă pentru aplicații dentare – Innovative dental products with multiple applications*” Anton FICAI, Denisa FICAI, Ovidiu OPREA, Stefan MANEA, Anna-Maria PANGICA, Petru BODOGA, Ludmila Motelica
- 2018: International Warsaw Invention Show IWIS 2018, 15-18.10.2018; Warsaw, Poland**
- Silver medal** (for the invention “*Multifunctional systems based on magnetite, thioacids and Ag/Au nanoparticles used for the targeted diagnosis and treatment of cancer*” Anton FICAI, Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Ovidiu OPREA, Bogdan Stefan VASILE)
- 2019: Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition – Thailand Inventors’ Day 2019, 2-6 februarie 2019**
- Gold medal** (for the invention “*Multifunctional systems based on magnetite, thioacids and Ag/Au nanoparticles used for the targeted diagnosis and treatment of cancer*” Anton FICAI, Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Ovidiu OPREA, Bogdan Stefan VASILE)
- Special Prize (Advanced Tech Smart Certificate of Award)** - (for the invention “*Multifunctional systems based on magnetite, thioacids and Ag/Au nanoparticles used for the targeted diagnosis and treatment of cancer*” Anton FICAI, Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Ovidiu OPREA, Bogdan Stefan VASILE)
- 2019: Salonul Internațional al Cercetării Științifice, Inovării și Inventicii “PRO INVENT” 20-22 martie 2019 Cluj-Napoca, România (ediția a XVII-a)**
- Diplomă de excelență și Medalia de aur cu mențiune specială** – pentru invenția “*Procedeu de obtinere de sisteme multifuncționale de tip magnetita-tioacizi-Ag sau Au, utilizate pentru diagnoza și tratamentul dirijat al cancerului*” Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE
- Diplomă de excelență** a Universității de Științe Agronomice și Medicina Veterinară din București– pentru invenția “*Procedeu de obtinere de sisteme multifuncționale de tip magnetita-tioacizi-Ag sau Au, utilizate pentru diagnoza și tratamentul dirijat al cancerului*” Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE
- Diplomă de excelență cu mențiune specială**– a Universității de Stat de Medicină și Farmacie “Nicolae Testemițanu” din Republica Moldova – pentru invenția “*Procedeu de obtinere de sisteme multifuncționale de tip magnetita-tioacizi-Ag sau Au, utilizate pentru diagnoza și tratamentul dirijat al cancerului*” Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE

- 2019: The 4th International Invention Innovation Competition in Canada, iCAN 2019 – 2019, Toronto, 24th August 2019**
Gold medal (for the invention “*Multifunctional systems based on magnetite, thioacids and Ag/Au nanoparticles used for the targeted diagnosis and treatment of cancer*” Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Anton FICAI, Ovidiu OPREA, Bogdan Stefan VASILE)
Gold medal (of Moroccan delegation of inventor and the EMSI Group) - (for the invention “*Multifunctional systems based on magnetite, thioacids and Ag/Au nanoparticles used for the targeted diagnosis and treatment of cancer*” Anton FICAI, Denisa FICAI, Ecaterina ANDRONESCU, Maria SONMEZ, Ovidiu OPREA, Bogdan Stefan VASILE)
- 2020: 12th European Exhibition of Creativity and Innovation-EuroInvent 2020, 23 mai, Iasi Romania**
Gold Medal – for the invention “*Compositions and process for treating materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity*” Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU
Silver medal – for the invention “*Composition and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria*” – OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina
Special prize awarded by Romanian Association for alternative Technologies – ARTA Sibiu (for the invention “*Compositions and process for treating materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity*” Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU)
Special prize of Petroleum-Gas University of Ploiești (for the invention “*Compositions and process for treating materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity*” Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU)
Special award of University POLITEHNICA of Timișoara – for the invention “*Compositions and process for treating materials devoted for the manufacturing protective devices with antiviral and antimicrobial activity*” Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU
Special award of FIH – for the invention “*Composition and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria*” – OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina
- 2020: The 5th International Invention Innovation Competition in Canada, iCAN 2020, August, Toronto Canada**
Gold Medal – for the invention “*Compositions and method for treating materials for the development of (medical) protective devices with antiviral and antimicrobial role*” Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU
Canadian Special Award (Toronto International Society of Innovation & Advanced Skills – TISIAS) – for the invention “*Compositions and method for treating materials for the development of (medical) protective devices with antiviral and antimicrobial role*” Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU
Best delegation award – iCAN 2020 – for Romanian Inventors Forum (FIR)
- 2020: Salonul Internațional de Inventii și Inovații “TRAIAN VUIA” Timișoara, ediția a VI -a, perioada 13-15 octombrie 2020**
Gold Medal – for the invention “*Compositions and method for treating materials for the development of (medical) protective devices with antiviral and antimicrobial role*” Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU
Gold Medal – for the invention “*Composition and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria*” – OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina
Special award - University Politehnica of Timișoara – for the invention “*Compositions and method for treating materials for the development of (medical) protective devices with antiviral and antimicrobial role*” Anton FICAI, Denisa FICAI, Ludmila MOTELICA, Ovidiu-Cristian OPREA, Ecaterina ANDRONESCU
Special award - University Politehnica of Timișoara – for the invention “*Composition and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria*” – OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina
- 2020: Salonul Cercetării Științifice, Inovării și Inventicii “PRO INVENT 2020” Cluj-Napoca, ediția a XVIII -a, perioada 18-20 noiembrie 2020**
Gold Medal and Excellence award - for the invention “*Composition and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria*” – OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina
Gold Medal and Excellence award - for the invention “*Compositions and process for treating leather objects for conferring antibacterial and antifungal activity*” – OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina
Gold Medal from National Institute of Research and Development for Laser, Plasma and Radiation Physics - for the invention “*Compositions and process for treating leather objects for conferring antibacterial and antifungal activity*” –

OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina

Special Prize from National Institute of Research and Development for Laser, Plasma and Radiation Physics - for the invention “*Composition and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria*” – OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina

2020: 1st International exhibition InventCor Deva, perioada 17-19 decembrie 2020

Gold Medal - for the invention “*Composition and process for treating paper, parchment or other writing media, for removing pathogens such as fungi, mold or bacteria*” – OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina

Gold Medal - for the invention “*Compositions and process for treating leather objects for conferring antibacterial and antifungal activity*” – OPREA Ovidiu Cristian, FICAI Anton, FICAI Denisa, MOTELICA Ludmila, ANDRONESCU Ecaterina, TRUȘCĂ Roxana Doina