

INFORMAȚII PERSONALE

LOCUL DE MUNCA PENTRU
CARE SE CANDIDEAZĂ

AMZA, Catalin Gheorghe

 +4 021 402 9337 (secretariat departament)  catalin.amza@upb.ro

Referent stiintific

EXPERIENȚA PROFESIONALĂ

2020 - prezent

Membru în Consiliul Scolii Doctorale Inginerie Industrială și RoboticaUniversitatea Națională de Știință și Tehnologie Politehnică București, Facultatea Inginerie Industrială și Robotica, Tehnologia Materialelor și Sudare, Splaiul Independenței 313, sector 6, București, 060042, România, www.upb.ro

Tipul sau sectorul de activitate Educație în învățământul superior/Cercetare

 www.camis.pub.ro

2020 - prezent

Membru în Comisia de specialitate nr. 16 – Ingineria și Managementul Producției, Consiliul Național de Atestare a Titlurilor, Diplomelor și Certificatelor Universitare CNATDCU

Ordinul MEC nr. 4.676/07.07.2020

Ministerul Educației și Cercetării, str. General Berthelot, nr. 28-30, Sector 1, București

Tipul sau sectorul de activitate Educație în învățământul superior/Cercetare

2023 - prezent

Membru Corpul de Experti din Registrul Național al Expertilor pentru Certificarea Activității de Cercetare-Dezvoltare (REXCD)

Ministerul Cercetării, Inovării și Digitalizării, ordinal MCID nr. 20242/13.02.2023

Domeniul de specializare inteligentă la nivel național: 4. Fabricație avansată

Tipul sau sectorul de activitate Cercetare

2015 - prezent

Profesor universitarUniversitatea Națională de Știință și Tehnologie Politehnică București, Facultatea Inginerie Industrială și Robotica, Ingineria Calității și Tehnologii Industriale, Splaiul Independenței 313, sector 6, București, 060042, România, www.upb.ro

Tipul sau sectorul de activitate Educație în învățământul superior/Cercetare

- 2009 - 2015 **Conferentiar universitar**
 Universitatea Politehnica Bucuresti, Facultatea Ingineria si Managementul Sistemelor Tehnologice, Tehnologia Materialelor si Sudare, Splaiul Independentei 313, sector 6, Bucuresti, 060042, Romania, www.upb.ro
 Tipul sau sectorul de activitate Educatie in invatamantul superior/Cercetare
- 2004 - 2009 **Sef lucrari universitar**
 Universitatea Politehnica Bucuresti, Facultatea Ingineria si Managementul Sistemelor Tehnologice, Tehnologia Materialelor si Sudare, Splaiul Independentei 313, sector 6, Bucuresti, 060042, Romania, www.upb.ro
 Tipul sau sectorul de activitate Educatie in invatamantul superior/Cercetare
- 2001 - 2004 **Asistent universitar**
 Universitatea Politehnica Bucuresti, Facultatea Ingineria si Managementul Sistemelor Tehnologice, Tehnologia Materialelor si Sudare, Splaiul Independentei 313, sector 6, Bucuresti, 060042, Romania, www.upb.ro
 Tipul sau sectorul de activitate Educatie in invatamantul superior/Cercetare
- 2001 - 2002 **Teaching asistent (asistent)**
 De Montfort University, Leicester, United Kingdom, The Gateway, LE1 9BH, www.dmu.ac.uk
 Tipul sau sectorul de activitate Educatie in invatamantul superior
- 1998 - 2001 **Preparator**
 Universitatea Politehnica Bucuresti, Splaiul Independentei 313, sector 6, Bucuresti, 060042, Romania, www.upb.ro
 • Calculatoare si programe utilitare, anul III, laborator
 • Tehnologia Informatiei si Sisteme Interactive, anul III, laborator
 Tipul sau sectorul de activitate Educatie in invatamantul superior
- 1994 - 1998 **Operator calculator**
 AMG INTERCOM SRL, Bucuresti, Romania
 • Design si grafica, desktop publishing
 Tipul sau sectorul de activitate Servicii publicitare

EDUCAȚIE ȘI FORMARE

- 2019 **Atestat de abilitare, domeniul Inginerie Industriala si Management, OM nr. 5688/30.12.2019** ISCED 6
 Afiliat scolii doctorale din Facultatea Inginerie Industriala si Robotica, Universitatea Politehnica din Bucuresti
- 2010 - 2013 **Diploma Studii Postdoctorale** ISCED 6
 Universitatea Politehnica din Bucuresti, Facultatea IMST
 • procesare imagini
 • inteligenta artificiala
 • control nedistructiv cu lichide penetrante
 • automatizari industriale

2011 - 2013	Diploma Master Evaluarea Calitatii Materialelor si Produselor (ECMP), Inginerie Industriala Universitatea Politehnica din Bucuresti, Facultatea IMST <ul style="list-style-type: none"> ▪ inspectia calitatii, control nedistructiv 	ISCED 6
1999 - 2002	Diploma de doctor in domeniul Stiinta Calculatoarelor De Montfort University, Leicester, United Kingdom <ul style="list-style-type: none"> ▪ procesare imagini, imagistica radiografica ▪ inteligenta artificiala ▪ control nedistructiv 	ISCED 6
1998 - 1999	Master of Science in Human Computer Systems De Montfort University, Leicester, United Kingdom <ul style="list-style-type: none"> ▪ Inteligenta artificiala, Medii virtuale, Roboti inteligenti si autonomi, Psihologie cognitiva, Interfete evaluate, Factori umani in sisteme TIC 	ISCED 6
1993 - 1998	Inginer, profilul Stiinta Sistemelor si Calculatoarelor Universitatea Politehnica din Bucuresti, Facultatea de Automatica si Calculatoare, Sectia Calculatoare <ul style="list-style-type: none"> ▪ programare ▪ baze de date ▪ proiectare interfete ▪ dispozitive electronice si integrate ▪ proiectare asistata ▪ sisteme expert ▪ inteligenta artificiala ▪ calcul numeric 	ISCED 5B
1989 - 1993	Diploma de Bacalaureat Liceul de Informatica (Matematica Fizica nr. 1 – in prezent Colegiul Tudor Vianu), Bucuresti <ul style="list-style-type: none"> ▪ informatica ▪ matematica ▪ fizica ▪ romana ▪ engleza 	ISCED 4B

COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C2	C2	C2	C2	C2
Franceza	A2	A2	A2	A2	A2

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

- bune competențe de comunicare dobândite prin experiența proprie de manager sau responsabil de proiect pentru proiecte cu finanțare națională și Europeană
- bune competențe de comunicare dobândite prin prisma activității la universitate (lucrurile cu studenții, cu ceilalți colegi, etc.)

Competențe organizaționale/manageriale

- Management de proiect: experiența dobândită în cadrul unor proiecte de cercetare/dezvoltare/inovare cu finanțare europeană (Longlife Learning, Fonduri Structurale).
- Management centru de cercetare/dezvoltare/inovare – experiența dobândită prin managerizarea mai întâi ca director de cercetare și apoi ca director al centrului de cercetare/dezvoltare/inovare UPB – CAMIS (Centrul de Cercetare, Consulting și Asistență Tehnică în Ingineria Materialelor și Sudare) din cadrul departamentului TMS, Facultatea IMST, Universitatea Politehnică din București
- Competențe organizaționale dobândite prin organizarea unor programe de formare profesională ANC (CNFPA), a unor programe de formare profesională recunoscute CNFP și a unui program postuniversitar TIC pentru cadre didactice din învățământul postuniversitar

Competențe dobândite la locul de muncă

- Abilitățile dobândite de peste 20 de ani în învățământul superior sunt: designul și dezvoltarea curriculumului, cercetarea și formarea profesională, abilitățile de lucru în echipă și comunicarea cu studenții și colegii, înțelegerea conceptelor moderne de învățare / predare / instruire, capacitatea de a crea relații de succes între afaceri și universitate.
- Din 2002, am modernizat și gestionez continuu **Laboratorul de Tehnologie Informației în Inginerie** pentru studenții din specialitățile de Inginerie Calitate, Inginerie Sudare și Ingineria Siguranței Industriale.
- În 2004 am înființat Laboratorul de **Automatizări Industriale**, pentru care am fost responsabil până în 2012. În cadrul acestui laborator, elevii pot experimenta tehnologiile CAD folosind un robot de sudură KUKA IR. Am finalizat 3 lucrări complete noi de laborator pentru IMST, Mecanică, ISB, Transport și Aircraft studenți la disciplina Materiale Tehnologice.
- În 2017 am creat cu succes și în prezent gestionez **Laboratorul Didactic și de Cercetare pentru Fabricație Aditivă**.
- Am acumulat experiență în logistică și resurse umane prin faptul că sunt responsabil pentru laboratoarele menționate mai sus.
- Din 2009 am fost **Director de Cercetare** la **Centrul UPB-CAMIS pentru Cercetare / Dezvoltare / Inovare**, iar din anul 2013 am fost **Director** al acestui Centru. Din această perspectivă, am dobândit abilități manageriale și teamwork și abilități de comunicare, inclusiv cu mediul de afaceri.
- Responsabil pentru programul de **Masterat în Ingineria Calității** 2016-2020, UPB, IMST
- Responsabil pentru programul de licență Ingineria și Managementul Calității, 2020, UPB, FIIR
- Sunt **responsabil pentru sistemul de management al e-Learning CAMIS** și, în această calitate, am învățat cum să configurez și să personalizez o platformă de e-learning și cum să convertesc materialele educaționale în e-learning.

Competențe informatice

Programare

- C, C++, DBase, Assembler, Pascal, Visual Basic, Borland Delphi, HTML, Java, JavaScript, CSS, XML, XSL

Sisteme de Operare

- Windows 3.11/95/98/2000/NT/XP/Vista/7/8/10, Dos, Unix, Linux

Pachete software

- Microsoft Office (Word, Excel, PowerPoint, Access, FrontPage, Publisher)

Graphics and Design

- Corel Draw, Photo-Paint, SPICE, Macromedia Director, Macromedia Flash

CAD

- Autocad, AutoCAD Inventor, Trimble Sketch-up, Mechanical Design, CATIA, ANSYS

Competențe de cercetare științifică

De-a lungul activității desfășurate, am **coordonat studenți de la studiile de licență pentru Sesiunile Științifice Studentesti**, o parte dintre aceștia fiind premiați de către Comisiile de evaluare. Activitatea de cercetare științifică este bazată în bună măsură pe continuarea studiilor din timpul specializării doctorale și postdoctorale. Astfel, principala mea preocupare este de aplicare a tehnologiei informației în procesele industriale, în special pentru activitățile de control a calității produselor și de automatizare a acestora. Activitatea de publicare constă în prezentarea unor rezultate originale, unele dintre ele fiind aplicate cu succes în industrie (echipament de detecție automată a fragmentelor de oase în industria alimentară – algoritmi bazati pe procesare de imagini și inteligența artificială aplicată unor imagini radiografice ale produsului de controlat – sistem construit pentru firma Spectral Ltd. din Marea Britanie) și diverse cercetări în domeniul fabricației aditive, a imprimării 3D și a tehnologiilor de realitate augmentată și virtuală. Domeniile de Cercetare de interes sunt:

- Tehnologiile Industria 4.0
- Fabricație aditivă. Printare 3D
- Tehnici de Inteligență artificială aplicate ingineriei industriale
- Imagistică radiografică și procesare de imagini
- sisteme CAD/CAM; fabricare asistată de calculator
- Realitate Augmentată
- Introducerea tehnologiei informației și calculatoarelor în procesele industriale
- Modelare și simulare cu element finit
- Materiale compozite inteligente
- Ultrasunetele și aplicațiile acestora
- Automatizarea sistemelor de producție
- Informatizarea și automatizare proceselor de evaluare a calității materialelor și produselor

Alte competențe

Hobby: acvaristica, membru al Asociației Acvaristilor din România
Bowling: membru și fost jucător activ în Campionatul Național de Bowling din România
Pescuit

Permis de conducere

- B+

INFORMAȚII SUPLIMENTARE

Publicații

Peste 15 cărți didactice în edituri cu ISBN; 10 cărți de specialitate/tehnice în edituri cu ISBN; 2 teze; peste 40 lucrări științifice indexate ISI/BDI; peste 20 lucrări științifice în periodice cu circulație internațională; 5 lucrări științifice în periodice cu circulație națională; 24 lucrări științifice în manifestări internaționale; 15 lucrări științifice în manifestări naționale; co-autor 9 brevete de invenție

Afilieri

- Asociației Române de Tehnologii Neconvenționale
- Asociația pentru Ecotehnologie, membru fondator
- Asociația Universitară de Ingineria Fabricației

Expert evaluator

- Expert evaluator, French National Centre for Scientific Research (2023)
- Expert evaluator, Czech Science Foundation (2023)
- Expert evaluator pentru **Comisia Europeana, programul Horizon 2020**, 2015-prezent
- **External reviewer** conferinta ICSAAM 2017, <http://www.icsaam2017.pub.ro/committees/scientific>
- **Evaluator extern** revista indexata ISI – Entropy, 2017, ISSN: 1099-4300
- **Evaluator extern** revista indexata ISI – 3D printing and additive manufacturing, 2017, ISSN: 2329-7662
- **Evaluator extern** revista indexata ISI – Sensors, 2017, ISSN: 1424-8220
- **Evaluator extern** revista indexata ISI – Nuclear Science, 2015, ISSN: 1001-8042
- **Evaluator extern** ICAET 2015
- **Evaluator extern** revista Elsevier Measurement 2017, ISSN: 0263-2241
- **Evaluator extern Autoritatea Nationala pentru Calificari** (ANC), 2014-prezent
- **Expert evaluator faza B POSDRU**, august 2013-martie 2014 (CPP138, 139, CPP 165, CPP152)
- **Expert evaluator ANPCDEFP pentru programul ERASMUS+** (exercitiul 2014-2020) al Comisiei Europene, 2014-prezent
- **Expert evaluator CNCISIS** pentru proiectele de **Cercetare exploratorie, Programul PN2, IDEI, 2008**
- **Evaluator extern** pentru revista indexata ISI Thomson Reuters **Machine Vision and Applications**, ISSN: 0932-8092, Journal no. 138, Springer, <http://www.springer.com/computer/computer+imaging/journal/138> ; <http://ip-science.thomsonreuters.com/cgi-bin/jmlst/jlresults.cgi?PC=MASTER&ISSN=0932-8092>
- **Evaluator extern** pentru revista indexata ISI Thomson Reuters **Nuclear Science and Techniques**, ISSN: 1001-8042, <http://ip-science.thomsonreuters.com/cgi-bin/jmlst/jlresults.cgi?PC=MASTER&Full=nuclear%20science%20and%20techniques>
- **Evaluator extern ANPCDEFP** pentru proiectele de Long Life Learning, Leonardo da Vinci, Transfer of Innovation finantate de Comisia Europeana, din 2009 – prezent
- **Evaluator extern EC-EACEA** pentru proiectele de Long Life Learning, Leonardo da Vinci, Development of Innovation, finantate de Comisia Europeana, Brussels, din 2011 - prezent
- **Expert pentru Romania** in cadrul EU tender EUMIDA "Feasibility study for creating a European university data collection" (2009-2010)
- **external reviewer** in International Conference on Computational Intelligence and Communication Networks (CICN), www.cicn.in

Specializari

- Evaluator proiecte, COR 241263, Bucuresti, 05.02.2016, certificat ANC 00031054/12.07.2016
- Manager proiect, COR 242101, Bucuresti, 19.02.2016, certificat ANC 00031048/20.02.2017
- Certificate of graduation, 1 year course on Pedagogy in didactic activity, University Politehnica of Bucharest, 2007-2008
- Certificat de Operator Calculator si Analist Programator (Liceul de Informatica, Bucuresti, 1993)
- Diploma Defectoscopie Nedistructiva, specializarea PM, nivel 2 (Universitatea Politehnica Bucuresti, Facultatea IMST, Ministerul Economiei si Comertului, 2004)
- Diploma Defectoscopie Nedistructiva, specializarea US, nivel 2 (Universitatea Politehnica Bucuresti, Facultatea IMST, Ministerul Economiei si Comertului, 2004)
- Diploma Defectoscopie Nedistructiva, specializarea LP, nivel 2 (Universitatea Politehnica Bucuresti, Facultatea IMST, Ministerul Economiei si Comertului, 2004)
- Diploma Audit Intern, (Universitatea Politehnica Bucuresti, 2004)
- Diploma de lector si examinator autorizat pentru cursuri ECDL,
- Diploma ECDL CAD, 2008
- Certificat de formator, mai 2011

Conferinte

- Membru Comitetul Stiintific International 22nd International Conference of Noconventional Technologies, 2023
- Membru Comitetul Stiintific 57th CIRP Conference on Manufacturing Systems 2024
- Member of the Scientific Committee of ICSAAM 2017, Bucharest, Romania
- **Membru comitetul stiintific** al WSEAS Multi-Conference Bucharest, Romania, april 20-22, 2010, with ISI proceedings
- **Chairman conferinta internationala** ECC – Computing, WSEAS Multi-Conference, Bucharest, Romania, april 20-22, 2010, with ISI proceedings
- **Membru permanent** in comitetul de organizare al conferintei internationale TQSD (Technology and Quality for Sustained Development)
- **Co-chair** of the WSEAS (World Scientific and Engineering Academy and Society) European Computing Conference 2010, www.wseas.org
- **Co-chair** of the WSEAS (World Scientific and Engineering Academy and Society) Computational Intelligence 2010, www.wseas.org
- **Co-chair** of the WSEAS (World Scientific and Engineering Academy and Society) FINITE DIFFERENCES - FINITE ELEMENTS - FINITE VOLUMES - BOUNDARY ELEMENTS (F-and-B '10) Conference 2010, www.wseas.org
- **Co-chair** of the WSEAS (World Scientific and Engineering Academy and Society) European ENERGY AND ENVIRONMENT TECHNOLOGIES AND EQUIPMENT (EEETE '10) Conference 2010, www.wseas.org
- **Member in International Scientific Committee** and **external reviewer** in International Conference on Computational Intelligence and Communication Networks (CICN 2010), www.cicn.info
- **Programme Committee member**, International Conference on Computational Intelligence and Communication Systems, 2010, 2011, 2012, 2013

Referent stiintific comisii doctorat

- Referent stiintific, „Aplicații ale tehnicilor de scanare DWI și DTI pentru evaluarea rapidă a modificărilor parametrilor specifici în cazul afecțiunilor cerebrale”, elaborată de dna. Toporaș Lenuța (căsătorită Pană), Universitatea Dunarea de Jos din Galati, 2023
- Referent stiintific, „INFLUENȚA PARAMETRILOR REGIMULUI DE SUDARE ASUPRA TRANSFERULUI DE CĂLDURĂ LA DEPUNEREA DE MATERIAL PRIN SUDARE ROBOTIZATĂ”, elaborată de domnul ing. Bogdan-Marian P. VERDETE, UPB 2023
- Referent stiintific, WEB-BASED MONITORING PLATFORM FOR DIGITAL TWIN ENABLED ROBOTIC MANUFACTURING SYSTEMS, Platformă informatică pentru monitorizare via internet a funcționării sistemelor de producție robotizate, Elena Liliana I. STAN, UPB 2023
- **Referent stiintific**, Îmbunătățirea constructiv-funcțională a dronelor hexarotor pentru asigurarea stabilității dinamice, elaborată de domnul ing. Mihai-Alin M. STAMATE, UPB 2023
- **Referent stiintific**, MACHINE LEARNING GENERALIZATION OF THE EMBEDDED SYSTEMS COOLING WORKFLOWS FOR FACILITATING THE SMART RETROFITTING OF COMPUTER CONTROL UNITS EMPLOYED IN INDUSTRIAL ENGINEERING ENVIRONMENTS, Tudor George Alexandru, Universitatea Politehnica din Bucuresti
- Membru comisia de specialitate **CNATDCU**, domeniul **Ingineria si Managementul Productiei, 2020-2024**
- **PhD External Evaluator**, "A Feasible Solution Space Filtering Approach Framework from 'Life-oriented Product Structure Specifications" submitted by Ms Alexia Grech for being graduated by University of Malta, 2011
- **Referent stiintific** Universitatea Bucuresti, decizia Senat UB nr. 2429 din 25/11/2013, Dusmanu Teodora Chicioareanu, "Motivatia si strategii inovative de instruire. Analiza contrastica- invatamant tehnic si artistic, dec 2013
- **Referent stiintific** Universitatea Politehnica din Bucuresti, decizie senat nr. 244/01.07.2016, Viorica Aionesie, CONTRIBUȚII TEORETICE ȘI EXPERIMENTALE PRIVIND IMPACTUL ASUPRA MEDIULUI A UNEI ÎNTREPRINDERI CONSTRUCTOARE DE MAȘINI, 2017

Lector invitat

- **Lector** in cadrul "Universitatii Virtuale de Afaceri", proiect PHARE, 2002-2004
- **Lector invitat** pentru cursul "Adult training course on Integrated Sustainable Development" course, ISD-MT07-15, Malta, 10-14 September 2007
- Profesor invitat (Visiting Lecturer) pentru EU Grundtvig In-Service Training course on Eco Innovation and Sustainable Development, modulul Computer Aided Tools for Eco Design, 10-14 septembrie 2012, Malta

Formare profesionala continua

- **Responsabil formare proiect „ACTIV pe Piața Muncii: Abilități și Competențe Tehnice pentru Integrare și Valorificare pe Piața Muncii”**, contract nr. POSDRU/125/5.1/S/125723, 2014-2015, , expert pe termen lung
- **Coordonator formare – proiect POSDRU ID 150650 ANTREPRENOR- Idei de afaceri de succes si dezvoltarea antreprenoriatului in regiunile Bucuresti-Ilfov si Sud-Vest Oltenia**
- **Coordonator formare proiect** Formarea personalului didactic din invatamantul secundar (ISCED 2-3) in vederea utilizarii tehnologiei informatiei si a instrumentelor e-learning in activitatea didactica, proiect POSDRU/87/1.3/S/64227, 2010-2012, **responsabil de acreditarea cursurilor CNFP Tehnologiei de instruire online (89 de ore) si Instrumente de educatie online (40 ore), responsabil formare, formator TIC, 2010-2012**
- „Dezvoltarea de competente cheie pentru evaluari nationale de succes!”, Cod Contract: POSDRU/153/ 1.1/S/138267 – coordonator formare program de formare profesionala CNFP “Dezvoltarea de abilitati in vederea crearii de competente cheie la elevii din invatamantul gimnazial
- Coordonator curs postuniversitar “Tehnologia Informatiei si Calculatoare” (curs de conversie profesionala adresat cadrelor didactice din invatamantul preuniversitar), 2009-2010
- Formator in cadrul cursului postuniversitar de conversie profesionala “Vademecum in Tehnologia Informatiei”, 2009-2010 (modulul Sisteme de Operare si Internet si Web design)
- Formator pentru Casa Corpului Didactic Ialomita, curs de Web Design, 2012

Premii obtinute

- GOLD MEDAL – The world exhibition of inventions, research and new technologies, Brussels INNOVA 2015, for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
- Trophy and Special Health and Medicine Award INNOVA 2015, The world exhibition of inventions, research and new technologies, Brussels INNOVA 2015, for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
- Medal and Diploma INNOVA 2015, given by European France Inventeurs, The world exhibition of inventions, research and new technologies, Brussels INNOVA 2015, for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
- Medalie și diploma dată de Eurobusiness-Haller and Haller Pro Inventio Foundation, din partea delegației Republicii Polonia, cu ocazia Brussels INNOVA 2015
- Trophy and Diploma INNOVA 2015, given by ORIGITIE Institute of Health and Beauty by Doctor Mukhina, Russian Delegation, The world exhibition of inventions, research and new technologies, Brussels INNOVA 2015, for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
- Distinctia The Merits of Innovation - Chevalier Européen (in grad de cavalier), European Innovation Awards, Brussels, 2015
- PREMIUL pentru Medicina si sanatate premiu oferit de Cezar Caluschi GM at Oameni si Companii in cadrul GALA GLOBAL MANAGER-GLOBAL INNOVATION, GLOBAL TECHNOLOGY 2015, organizata in data de 8 dec. 2015 la Hotel CARO, Bucuresti, de OAMENI SI COMPANII - Connecting leaders. Spreading Ideas. Changing minds
- The XIV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 23-25th of March 2016; The The Academy of Technical Sciences-Cluj branch TUC-N Great Prize Pro-Invent 2016 and Trophy (Marele Premiu al UTC-N si Trofeul) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
- Diploma of Excellence awarded by University of Craiova, Romania-The XIV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 23-25th of March 2016. for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA. Diploma of Excellence awarded by University of Craiova, Romania
- Diploma of Excellence and Trophy (Diploma de Excelență și Trofeu) awarded by The Agency of Intellectual Property of the Republic of Moldova - The XIV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 23-25th of March

- 2016 for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA. Diploma of Excellence awarded by University of Craiova, Romania
- Diploma of Excellence awarded by Technical University of Moldova, Republic of Moldova - The XIV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 23-25th of March 2016 for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA. Diploma of Excellence awarded by University of Craiova, Romania
 - GOLD MEDAL-- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T , IAȘI – ROMANIA , Ediția a VIIa, 20-21 Mai 2016 (EUROINVENT este singurul eveniment din România care se desfășoară cu sprijinul IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations, devenind astfel un eveniment european de elită în domeniul inovării și cercetării) (<http://www.euroinvent.org>) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
 - Special Innovation Award-Union of Inventors MOROCCO -- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T , IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), Ediția a VIIa, 20-21 Mai 2016 (<http://www.euroinvent.org>) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
 - Scientific Contribution Award-- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION - E U R O I N V E N T , IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), Ediția a VIIa, 20-21 Mai 2016 (<http://www.euroinvent.org>) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
 - Special Award – ZAGREB INVENTORS ASSOCIATION-- EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T , IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), Ediția a VIIa, 20-21 Mai 2016 (<http://www.euroinvent.org>) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA
 - GOLD MEDAL-- Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția II, în perioada 25-27 mai 2016, for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
 - Special Award-SIB-- Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția II, în perioada 25-27 mai 2016, for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA
 - GOLD MEDAL, The 44-th International Exhibition of Inventions of Geneva-The world's most important, 13 > 17 April 2016, Palexpo Hall 7 (www.inventions-geneva.ch) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
 - ARCA AWARD - Union of Croatia Innovators, The 44-th International Exhibition of Inventions of Geneva-The world's most important, 13 > 17 April 2016, Palexpo Hall 7 (www.inventions-geneva.ch) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
 - HONORABLE MENTION - China Delegation of Invention and Innovation, The 44-th International Exhibition of Inventions of Geneva-The world's most important, 13 > 17 April 2016, Palexpo Hall 7 (www.inventions-geneva.ch) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA
 - CERTIFICATE AWARD - Turkish Patent Institute, The 44-th International Exhibition of Inventions

of Geneva-The world's most important, 13 > 17 April 2016, Palexpo Hall 7 (www.inventions-geneva.ch),) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.

- GOLD MEDAL —INTERNATIONAL FAIR OF INVENTION AND PRACTICAL IDEAS SIR, IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), September 115-18, 2016 (<http://www.inventica.org.ro/inventica2016/salon.html>) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
- HEALTH AWARD INTERNATIONAL FAIR OF INVENTION AND PRACTICAL IDEAS SIR, IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), September 115-18, 2016 (<http://www.inventica.org.ro/inventica2016/salon.html>) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA.
- GOLD MEDAL THE HAMANGIA THINKER—INTERNATIONAL SALON -INVENTICA , IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), June 29- July 1 2016 (<http://www.inventica.org.ro/inventica2016/salon.html>) for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS, authors Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA
- GOLD MEDAL of 65th Edition Brussels INNOVA 2016 for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at 65th Edition Brussels Innova 2016: International Innovation Fair (17th-19th of November 2016).
- TROPHY and Diploma “Outstanding Innovation Award” offered by Bioactive Resources for Innovative Clinical Application Excellent Center, Thailand, 19th of November 2016, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at 65th Edition Brussels Innova 2016: International Innovation Fair (17th-19th of November 2016).
- MEDAL and Diploma on behalf of the inventors and co-workers of Industrial Chemistry Research Institute of Warsaw, Poland, Brussels November 2016, awarded by professor Regina Jeziorska, Manager of Polymer Technology and Processing Department for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at 65th Edition Brussels Innova 2016: International Innovation Fair (17th-19th of November 2016).
- MEDAL and Diploma “Outstanding Innovation Award” offered by Bioactive Resources for Innovative Clinical Application Excellent Center, Thailand, 19th of November 2016, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at 65th Edition Brussels Innova 2016: International Innovation Fair (17th-19th of November 2016).
- PLATINUM MEDAL & INTARG®, DIPLOMA International Invention and Innovation Show, INTARG® POLAND, Awarded to: University POLITEHNICA of Bucharest for the invention: INSTALLATION FOR EVALUATING QUALITY OF INDUSTRIAL PRODUCTS, The President of International Jury Prof. Krzysztof Biernat, , The President of Eurobusiness-Haller Barbara Haller de Hallenburg, 125, 20-21 June 2018 Katowice, Poland;
- "MINISTERSTWO INWESTYCJI I ROZWOJU, DYPLÓM DLA University POLITEHNICA of Bucharest, w związku z przyznaniem przez jury 11. Międzynarodowych Targów Wynalazków i

- Innowacji INTARG 2018, Nagrody Platynowej za Installation for evaluating quality of industrial products, Jerzy Kwieciński Minister Inwestycji i Rozwoju, Katowice, 21 czerwca 2018 r.
- (MINISTRY OF INVESTMENT AND DEVELOPMENT, DIPLOMA FOR POLITEHNICA University of Bucharest, in connection with the jury of the 11th International Fair of Inventions and Innovations INTARG 2018, PLATINUM PRIZE for Installation for evaluating the quality of industrial products, Jerzy Kwieciński Minister of Investment and Development, Katowice, June 21, 2018."
 - . MEDALIA DE ARGINT și DIPLOMA se acordă pentru invenția INSTALATIE DE EVALUAREA A CALITATII PRODUSELOR INDUSTRIALE, autori AMZA Catalin Gheorghe, CICIC Dumitru Titi, POPESCU Diana, AMZA Gheorghe, SEMENESCU Augustin, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția IV, în perioada 13-15 Iunie 2018, Presedinte Juriu Radu Dimca, Presedinte salon Remi Radulescu
 - EXCELLENCE DIPLOMA and SPECIAL PRIZE for work OSIM A/00707, OSIM A/ 00914, OSIM A/00672, OSIM A/01173, OSIM A/ 00133, OSIM A/00913, RO 128159B1, OSIM A/ 00528, OSIM A/ 00537, prezentate la Salonul de Inventii TRAIAN VUIA 2018. Authors UNIVERSITATEA POLITEHNICA BUCURESTI. Universitatea de Științe Agricole și Medicina Veterinară a Banatului “ Regele Mihai I al României” din Timisoara Rector Prof univ. dr.ing.Cosmin-Alin Popescu, Vicerector for research-innovation Prof univ. dr.Isidora Radulov.
 - DIPLOMA OF EXCELLENCE E U R O I N V E N T 10th European Exhibition of Creativity and Innovation Iasi, Romania, 17-19 May 2018 is awarded to: Amza Catalin Gheorghe, Cicic Dumitru Titi, Popescu Diana, Amza Gheorghe, Semenescu Augustin for INSTALLATION FOR EVALUATING QUALITY OF INDUSTRIAL PRODUCTS.
 - DIPLOMA DE EXCELENTA SI MEDALIA DE AUR se acorda pentru INSTALATIE DE EVALUAREA A CALITATII PRODUSELOR INDUSTRIALE (INSTALLATION FOR EVALUATING QUALITY OF INDUSTRIAL PRODUCTS), Autori: AMZA Catalin Gheorghe, CICIC Dumitru Titi, POPESCU Diana, AMZA Gheorghe, SEMENESCU Augustin, RO128159 B1 din 29.05.2015, Salonul Internațional al Cercetării Științifice, Inovării și Invenției PRO INVENT, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ–NAPOCA.
 - MARELE PREMIU al Universitatii Tehnice se acorda Universitatii POLITEHNICA Bucuresti pentru inventiile prezentate la salonul Pro Invent 2018, OSIM A/00707 din 8.11.2017, OSIM A/00914 din 9.11.2017, OSIM A/00672 din 18.09.2017, OSIM A/01173 din 28.12.2017, OSIM 00133/ 06.03.2017, OSIM A 00913/09.11.2017, RO128159 B1 din 29.05.2015, RO131943(A0) 2017-06-30. (CRANIAL ENDOPROTHESIS WITH A SLIDING SYSTEM, CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS, ACETABULAR MILLING DEVICE, ANOSCOPE WITH ADJUSTABLE OPERATIVE FIELD, METHOD AND INSTALLATION FOR ELECTROCHEMICAL OBTAINING OF A COMPOSITE MATERIAL WITH METALLIC MATRIX, ESO-TRAHEOSCOPE, INSTALLATION FOR EVALUATING QUALITY OF INDUSTRIAL PRODUCTS, METHOD FOR OBTAINING SCAFFOLDS WITH PREDETERMINED PHYSICO-CHEMICAL CHARACTERISTICS FOR MAJOR BONE RECONSTRUCTION), Salonul Internațional al Cercetării Științifice, Inovării și Invenției PRO INVENT, ediția a XVI-a, 21-23 martie 2018, Sala Polivalentă, CLUJ–NAPOCA
 - GOLD MEDAL and Diploma offered by the JURY of The 45-th International Exhibition of Inventions of Geneva-2017, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at The 45-th International Exhibition of Inventions of Geneva-2017.
 - GOLD MEDAL and Diploma offered by the Association of PORTUGUESE Inventors, Innovators & Creatives- Geneva-2017, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at The 45-th International Exhibition of Inventions of Geneva-2017
 - GOLD MEDAL and Diploma offered by TAIWAN Invention Association - Geneva-2017, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at The 45-th International Exhibition of Inventions of Geneva-2017
 - Trophy & SPECIAL AWARD of OSIM (State Office for Inventions & Trademarks) RO – Geneva, 2017, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling

System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at The 45-th International Exhibition of Inventions of Geneva-2017

- **DIPLOME & MEDAILLE DE L'AGEPI (AGENCE D'ÉTAT POUR LA PROPRIÉTÉ INTÉLECTUELLE DE LA RÉPUBLIQUE DE MOLDAVIE)** – Pour ses mérites à la " The 45-th International Exhibition of Inventions of Geneva-2017", for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina,.
- **GOLD MEDAL and Diploma of Excellence –INVENTION POT-- KINGDOM of SAUDI ARABIA** Geneva, 2017, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina, presented at The 45-th International Exhibition of Inventions of Geneva-2017
- **GOLD MEDAL and Diploma of Excellence, The XV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 22-24th of March 2017**, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina.
- **TROPHY & PRIZE FOR EXCELENCY IN TECHNICAL CREATIVITY-Pro-Invent 2017** , Universitatea Tehnica Gheorghe Asachi, Iași, Romania, Institutul National de Inventica, Iași, Romania, The XV edition of the International Exhibition of Research, Innovation and Inventions PRO INVENT, Cluj-Napoca, Romania, 22-24th of March 2017.
- **GOLD MEDAL and Diploma INNOVA BARCELONA, The II-nd edition of the World Exhibition on Inventions, Research, and New Technologies, Barcelona, SPAIN, 4-6th of May 2017**, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina.
- **OUTSTANDING INNOVATION AWARD**, offered by Bioactive Resources for Innovative Clinical Application Excellent Centre, THAILAND, INNOVA BARCELONA, The II-nd edition of the World Exhibition on Inventions, Research, and New Technologies, Barcelona, SPAIN, 4-6th of May 2017, for “Semiconstrained Total Elbow Prosthesis Made of Shape-Memory Alloys, with Coupling System Based on Shape-Memory Effect” invented by Batalu Nicolae-Dan, Semenescu Augustin, Costoiu Mihnea Cosmin, Antoniac Vasile Iulian, Doicin Cristian Vasile, Amza Cătălin Gheorghe, Mateș Ileana Mariana, Chivu Oana Roxana, Codorean Ion Bogdan, Barbu Cătălin Alexandru, Bădică Petre, Negoită Olivia Doina.
- **PRIZE OF ROMANIAN INVENTORS FORUM — CUP & DIPLOMA, EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA** (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017 (<http://www.euroinvent.org>) for Patents Demands RO131261(A0), RO131379 (A0), RO131543(A2), RO131500(A0), RO 0001/2017(A0)
- **DIPLOMA DE EXCELENTA si MEDALIE DE AUR- Universitatea din Craiova**, in semn de recunoastere si pretuire pentru spiritual novator afirmat in domeniul cercetarii stiintifice, concretizate in realizarea brevetului SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT, autori BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017 (<http://www.euroinvent.org>)

- Special Innovation Award & GOLD MEDAL - Union of Inventors MOROCCO -- for BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, recognizing the Excellent and Creative Invention SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT, EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017 (<http://www.euroinvent.org>)
- WIIPA (World Invention Intellectual Property Associations) MEDAL & HONOR of INVENTION Diploma presented to BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, ru BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, in recognition of SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT, exhibited at EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017 (<http://www.euroinvent.org>)
- DIPLOMA of GOLD MEDAL-- presented to BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, ru BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, in recognition of SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT, exhibited at EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual
- DIPLOMA of GOLD MEDAL-- presented to Dan Batalu, Augustin Semenescu, Mihnea Cosmin Costoiu, Ioanel Sinescu, Vasile Iulian Antoniac, Cristian Vasile Doicin, Ion Bogdan Codorean, Ileana Mariana Mates, Catalin Alexandru Barbu, Petre Badica, Traian Stefan Gavrilu, for TOTAL CONSTRAINED ELBOW IMPLANT, MADE OF SHAPE MEMORY ALLOYS, WITH A HINGE-LIKE LOCKING SYSTEM AND COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT, exhibited at EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION -E U R O I N V E N T 2017, IAȘI – ROMANIA (Member of IFIA - International Federation of Inventors' Associations și WIIPA - World Inventions Intellectual Property Associations), IX-th-Edition, 25-27 May 2017 (<http://www.euroinvent.org>)
- MEDALIE DE AUR SI DIPLOMA pentru PROTEZĂ TOTALĂ DE COT SEMICONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI, autori BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017.
- PREMIU SPECIAL, MEDALIE DE AUR SI DIPLOMA din partea Universității de Medicina si Farmacie 'VICTOR BABEȘ' din Timișoara pentru PROTEZĂ TOTALĂ DE COT SEMICONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI, autori BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017.
- EXCELENCE DIPLOMA and SPECIAL PRIZE(TROPHY) from Banat' s University of Agricultural Sciences and Veterinary Medicine 'King Michael I of Romania' from Timișoara for Patents Demands RO131261(A0), RO131379 (A0), RO131543(A2), RO131500(A0), RO 0001/2017(A0), , Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara ediția III, în perioada 7-9 Iunie 2017.
- GOLD MEDAL INVENTICA 2017 & DIPLOMA in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, June 28-June 30 2017 offered to BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin

Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, for SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT

- GOLD MEDAL INVENTICA 2017 & DIPLOMA in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, June 28-June 30 2017 offered to F. Miculescu, M. Miculescu, M.C.Costoiu, O.R.Chivu, C.A. Barbu, A. Semencescu for MECHANO-ELECTRIC LAUNDRY DRYER
- GRAND PRIZE CUP INVENTICA 2017 & DIPLOMA in recognition of high scientific contribution and loyalty to the XXI-th International Salon of Research, Innovation and Technological Transfer, Iasi, Romania, June 28-June 30 2017, is offered for Patents Demands RO131261(A0), RO131379 (A0), RO131543(A2), RO131500(A0), RO 0001/2017(A0)
- GOLD MEDAL IWIS 2017 WARSAW (POLAND, 9-11 Oct.) & DIPLOMA offered to BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, for SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT
- SILVER MEDAL IWIS 2017 WARSAW (POLAND, 9-11 Oct.) & DIPLOMA offered to Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA, for SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS.
- INVENT ARENA AWARD (CZECH REPUBLIC - Chairman Jan KOBIELUSZ) at IWIS 2017 WARSAW (POLAND, 9-11 Oct.) & DIPLOMA offered to BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina, for SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT
- CERTIFICATE OF APPRECIATION presented to Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATEȘ, Cezar - Ionuț CĂLIN, Catalin Gheorghe AMZA, Mark-Eward Pogărășteanu, An Alternative femoral stem- bone implantation technique using an innovative short femoral stem endoprosthesis, in recognition of the invaluable contribution to the International Biomaterials and Regenerative Medicine Seminar BIOREMED 2017 – Timisoara, 5-7 october 2017, Congress Chairs Prof.Dr. Meda-Lavinia Negruțiu & Prof.Dr.Iulian Antoniac.
- DIPLOMĂ DE EXCELENȚĂ ȘI MEDALIA DE AUR- Se acordă BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina pentru PROTEZĂ TOTALĂ DE COT SEMICONSTRÂNSĂ, DIN ALIAJE CU MEMORIA FORMEI, CU SISTEM DE CUPLARE PE BAZĂ DE EFECT AL MEMORIEI FORMEI/SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT. SALONUL INTERNAȚIONAL AL CERCETĂRII ȘTIINȚIFICE, INOVĂRII ȘI INVENTICII PRO INVENT, Ediția XVII, 20-22 MARTIE 2019, CLUJ-NĂPOCA
- CERTIFICATE OF AWARD HEREBY CERTIFIES THAT BATALU NICOLAE DAN, SEMENESCU AUGUSTIN, COSTOIU MIHNEA COSMIN, ANTONIAC VASILE IULIAN, DOICIN CRISTIAN VASILE, AMZA CATALIN GHEORGHE, MATEȘ ILEANA MARIANA, CHIVU OANA-ROXANA, CODOREAN ION BOGDAN, BARBU CĂTĂLIN-ALEXANDRU, BĂDICĂ PETRE, NEGOIȚĂ OLIVIA-DOINA, University POLITEHNICA of Bucharest HAS BEEN AWARDED GOLD MEDAL FOR THE INVENTION/ INNOVATION OF SEMICONSTRAINED TOTAL ELBOW PROTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT, 4th International Invention Innovation Competition in Canada, iCAN 2019, TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) MOONSUK CHANG-Committee Chairman, BOB HUYNBRECHTS, Co-Chairman of the Jury, August 24th, 2019, Toronto Canada
- ECOLE MAROCAINE DES SCIENCES DE L'INGENIEUR, HONORIS UNITED UNIVERSITIES, The Moroccan delegation of inventor and the EMSI Group, GOLD MEDAL, Granted to: BATALU Nicolae-Dan; SEMENESCU Augustin; COSTOIU Mihnea Cosmin; ANTONIAC Vasile Iulian; DOICIN Cristian-Vasile; AMZA Cătălin Gheorghe; MATEȘ Ileana Mariana; CHIVU Oana-Roxana; CODOREAN Ion Bogdan; BARBU Cătălin-Alexandru; BĂDICĂ

Petre; NEGOIȚĂ Olivia-Doina SEMICONSTRAINED TOTAL ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOYS, WITH COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT for the titled invention iCAN 2019, TORONTO CANADA, 24/08/2019, The chief of the Moroccan delegation of inventors.

- WARSAW INTERNATIONAL INVENTION SHOW, IWIS 2019 GOLD MEDAL FOR PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX (RO132816) Authors –M. ARGHIRESCU, M.C.COSTOIU, A. SEMENESCU, V. AVRAM, M. BURADA, N.G.MILITARU, C.G. AMZA, O.R. CHIVU, UNIVERSITY POLITEHNICA OF BUCHAREST, MATERIALS SCIENCE AND ENGINEERING, BIOMATERIALS AND MEDICAL DEVICES, President of Jury Danuta Kieljan, President of API&R Michal Szota, International WARSAW INVENTION SHOW IWIS 2019, 14-16 OCTOBER 2019 WARSAW
- WARSAW INTERNATIONAL INVENTION SHOW, IWIS 2019 GOLD MEDAL FOR METHOD AND INTELLIGENT SYSTEM BASED ON X RAYS FOR TRAINING SURGEONS IN INSERTING PEDICLE SCREWS (RO128174), Authors – D. POPESCU, C.G. AMZA, D.C.LAPTOIU, G. AMZA, A.SEMENESCU, V. I. ANTONIAC, D. T. CICIC, UNIVERSITY POLITEHNICA OF BUCHAREST, MATERIALS SCIENCE AND ENGINEERING, BIOMATERIALS AND MEDICAL DEVICES, President of Jury Danuta Kieljan, President of API&R Michal Szota, International WARSAW INVENTION SHOW IWIS 2019, 14-16 OCTOBER 2019 WARSAW
- MyRIS, MALAYSIAN RESEARCH & INNOVATION SOCIETY, GOLD MEDAL AND MyRIS best invention award, is presented to M. ARGHIRESCU, M.C.COSTOIU, A. SEMENESCU, V. AVRAM, M. BURADA, N.G.MILITARU, C.G. AMZA, O.R. CHIVU for the invention of PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX (RO132816), to the success of International Warsaw Inventor Show (IWIS 2019), Warsaw Poland, 14-16 October 2019, Datuk Professor Emeritus Dr.Kamarudin Hussin President, Malaysian Research & Innovation Society
- CIIS GOLD MEDAL AND SPECIAL AWARD, This is awarded to –M. ARGHIRESCU, M.C.COSTOIU, A. SEMENESCU, V. AVRAM, M. BURADA, N.G.MILITARU, C.G. AMZA, O.R. CHIVU for PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX (RO132816), XIII International Warsaw Invention Show "IWIS" Warsaw, Poland, Chinese Innovation and Invention Society (Taiwan), WU. CHIH-YAO, Chairman of CIIS, 16 Oct 2019.
- CIIS GOLD MEDAL AND SPECIAL AWARD, This is awarded to D. POPESCU, C.G. AMZA, D.C.LAPTOIU, G. AMZA, A.SEMENESCU, V. I. ANTONIAC, D. T. CICIC for METHOD AND INTELLIGENT SYSTEM BASED ON X RAYS FOR TRAINING SURGEONS IN INSERTING PEDICLE SCREWS (RO128174), XIII International Warsaw Invention Show "IWIS" Warsaw, Poland, Chinese Innovation and Invention Society (Taiwan), WU. CHIH-YAO, Chairman of CIIS, 16 Oct 2019.
- 44th INTERNATIONAL INVENTION SHOW, INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION. SILVER MEDAL and DIPLOMA for ARGHIRESCU MARIUS, COSTOIU MIHNEA COSMIN, SEMENESCU AUGUSTIN, AVRAM VASILE, BURADA MARIAN, MILITARU NICOLAE GHEORGHE, AMZA CATALIN GHEORGHE, CHIVU OANA ROXANA, University Politehnica of Bucharest, Romania, PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX, Zagreb, Croatia, November 13-16, 2019. President of the International Jury: Andrej Sacrinjar, dipl.ing, Croatian Inventors Network Ljiljana Pedisic mag.ing.cheming.
- 44th INTERNATIONAL INVENTION SHOW, INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION. GOLD MEDAL and DIPLOMA for MOGA MARIUS, SEMENESCU AUGUSTIN, COSTOIU MIHNEA COSMIN, MATEȘ ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA, SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS, Zagreb, Croatia, November 13-16, 2019. President of the International Jury: Andrej Sacrinjar, dipl.ing, Croatian Inventors Network Ljiljana Pedisic mag.ing.cheming.
- 44th INTERNATIONAL INVENTION SHOW, INVENTION AND PROTOTYPE SHOW AND STUDENT BUSINESS PLAN COMPETITION. GOLD MEDAL and DIPLOMA for POPESCU DIANA, AMZA CĂTĂLIN GHEORGHE, LAPTOIU DAN CONSTANTIN, AMZA GHEORGHE, SEMENESCU AUGUSTIN, ANTONIAC VASILE IULIAN, CICIC DUMITRU TITI, University Politehnica of Bucharest, ROMANIA METHOD AND INTELLIGENT SYSTEM BASED ON X RAYS FOR TRAINING SURGEONS IN INSERTING PEDICLE SCREWS, Zagreb, Croatia, November 13-16, 2019. President of the International Jury: Andrej Sacrinjar, dipl.ing, Croatian Inventors Network Ljiljana Pedisic mag.ing.cheming
- TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS, SPECIAL HONOUR OF INVENTION is hereby presented to ARGHIRESCU MARIUS,

COSTOIU MIHNEA COSMIN, SEMENESCU AUGUSTIN, AVRAM VASILE, BURADA MARIAN, MILITARU NICOLAE GHEORGHE, AMZA CATALIN GHEORGHE, CHIVU OANA ROXANA, for an outstanding exhibition of the invention entitled PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX, The 44th International Invention Show, Inova 2019, 13-16 November 2019 at Zagreb, Croatia, Moonsuk CHANG Chairman and Chief Exhibition Officer, TISIAS-Toronto, Canada. Bob HUYBRECHTS, RDT Co-Chairman of the Jury, iCan-Toronto, Canada.

- TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS, SPECIAL HONOUR OF INVENTION is hereby presented to MOGA MARIUS, SEMENESCU AUGUSTIN, COSTOIU MIHNEA COSMIN, MATEȘ ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA, for an outstanding exhibition of the invention entitled SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS; The 44th International Invention Show, Inova 2019, 13-16 November 2019 at Zagreb, Croatia, Moonsuk CHANG Chairman and Chief Exhibition Officer, TISIAS-Toronto, Canada. Bob HUYBRECHTS, RDT Co-Chairman of the Jury, iCan-Toronto, Canada.
- TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION AND ADVANCED SKILLS, SPECIAL HONOUR OF INVENTION is hereby presented to POPESCU DIANA, AMZA CĂTĂLIN GHEORGHE, LĂPTOIU DAN CONSTANTIN, AMZA GHEORGHE, SEMENESCU AUGUSTIN, ANTONIAC VASILE IULIAN, CICIC DUMITRU TITI, University Politehnica of Bucharest, Romania, for an outstanding exhibition of the invention entitled METHOD AND INTELLIGENT SYSTEM BASED ON X RAYS FOR TRAINING SURGEONS IN INSERTING PEDICLE SCREWS, The 44th International Invention Show, Inova 2019, 13-16 November 2019 at Zagreb, Croatia, Moonsuk CHANG Chairman and Chief Exhibition Officer, TISIAS-Toronto, Canada. Bob HUYBRECHTS, RDT Co-Chairman of the Jury, iCan-Toronto, Canada.
- DIPLOMA, AWARDED TO ARGHIRESCU MARIUS, COSTOIU MIHNEA COSMIN, SEMENESCU AUGUSTIN, AVRAM VASILE, BURADA MARIAN, MILITARU NICOLAE GHEORGHE, AMZA CATALIN GHEORGHE, CHIVU OANA ROXANA, University Politehnica of Bucharest, Romania, for the invention PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX on the occasion of INOVA-BUDI UZOR 2019, HALLER pro invention Foundation, Croatia
- NU SPECIAL AWARD IS PRESENTED BY NORTON UNIVERSITY TO ARGHIRESCU MARIUS, COSTOIU MIHNEA COSMIN, SEMENESCU AUGUSTIN, AVRAM VASILE, BURADA MARIAN, MILITARU NICOLAE GHEORGHE, AMZA CATALIN GHEORGHE, CHIVU OANA ROXANA, University Politehnica of Bucharest, Romania for the project entitled PROCESS AND INSTALLATION FOR ELECTROCHEMICALLY PRODUCING A COMPOSITE MATERIAL WITH METAL MATRIX, AT THE INTERNATIONAL INVENTION SHOW INOVA 2019, 44th International Invention Show, budi uzor, Zagreb, Croatia, November 12-17 2019, Zagreb Fair, Dr. UNG VANNTHOEUN, Vice Rector of Norton University.
- NU SPECIAL AWARD IS PRESENTED BY NORTON UNIVERSITY TO MOGA MARIUS, SEMENESCU AUGUSTIN, COSTOIU MIHNEA COSMIN, MATEȘ ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA, for the project entitled SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS AT THE INTERNATIONAL INVENTION SHOW INOVA 2019, 44th International Invention Show, budi uzor, Zagreb, Croatia, November 12-17 2019, Zagreb Fair, Dr. UNG VANNTHOEUN, Vice Rector of Norton University.
- NU SPECIAL AWARD IS PRESENTED BY NORTON UNIVERSITY TO POPESCU DIANA, AMZA CĂTĂLIN GHEORGHE, LĂPTOIU DAN CONSTANTIN, AMZA GHEORGHE, SEMENESCU AUGUSTIN, ANTONIAC VASILE IULIAN, CICIC DUMITRU TITI, University Politehnica of Bucharest, Romania, for the project entitled METHOD AND INTELLIGENT SYSTEM BASED ON X RAYS FOR TRAINING SURGEONS IN INSERTING PEDICLE SCREWS, AT THE INTERNATIONAL INVENTION SHOW INOVA 2019, 44th International Invention Show, budi uzor, Zagreb, Croatia, November 12-17 2019, Zagreb Fair, Dr. UNG VANNTHOEUN, Vice Rector of Norton University.
- WIIPA SPECIAL AWARD Presented to: MOGA MARIUS, SEMENESCU AUGUSTIN, COSTOIU MIHNEA COSMIN, MATEȘ ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA, In recognition of: SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS, exhibited at Croatia International Invention Show, Inova 13-16 Nov.2019, Zagreb Fair, Croatia, President; Manli Hsieh, World Invention Intellectual Property Associations
- Highly Innovative Unique Foundation (HIUF) in the Kingdom of Saudi Arabia Presented Special Award to: MOGA MARIUS, SEMENESCU AUGUSTIN, COSTOIU MIHNEA COSMIN, MATEȘ

ILEANA MARIANA, CĂLIN CEZAR IONUȚ, AMZA CĂTĂLIN GHEORGHE, University Politehnica of Bucharest, ROMANIA for: SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS Awarded at The 44th International Invention Show (INOVA 2019) IN Zagreb Croatia. President of Hiuf Prof. Dr. Najja A. Alzanbagi

- National Institute for Laser, Plasma and Radiation Physics Romania, GOLD MEDAL AND DIPLOMA FOR INVENTION, is awarded to: N.D. BATALU, A. SEMENESCU, M. COSTOIU, C. DOICIN, C. AMZA, I. MATEȘ, O.CHIVU, I. CODOREAN, C. BARBU, P. BĂDICĂ, O. NEGOIȚĂ, for TOTAL CONSTRICTED ELBOW PROTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION ANF COUPLING SYSTEM BASED ON SHAPE MEMORY EFFECT, for achieving excellency in innovation through dedication and the consistent wish to push the borderd of what can be obtained through sciene and technology, Head of Laser Department, INFLPR Dr. Gabriel Socol, EIS INFOINVENT-2019 CHIȘINĂU.
- INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU MAȘINI ȘI INSTALAȚII DESTINATE AGRICULTURII ȘI INDUSTRIEI ALIMENTARE –INMA București-, Bd. Ion Ionescu de la Brad, nr 6, Sector 1, AGEPI-AGENȚIA DE STAT PENTRU PROPRIETATEA INTELECTUALĂ A REPUBLICII MOLDOVA, INFOINVENT 2019 DIPLOMĂ DE EXCELENȚĂ, pentru: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379, BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina Director General Dr.ing. Nicolae-Valenti VLĂDUȚ.
- Iustin Capră ASSOCIATION OF INVENTIONS, CERTIFICATE OF EXCELLENCE IS HEREBY AWARDED to: BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina for: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379, President: Marian VELCEA, PH.D.
- University of AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST, EXCELLENCE AWARD AND GOLD MEDAL. Is awarded to: BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina for TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379
- Universitatea Tehnică a Moldovei, MEDALIA DE AUR decernată: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379 pentru: BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina în cadrul Expoziției Internaționale Specializate INFOINVENT 20-23 noiembrie 2019, Chișinău, Prof.univ.dr.hab. Viorel Bostan: Rector Universitatea Tehnică a Moldovei.
- EXPOZIȚIA INTERNAȚIONALĂ SPECIALIZATĂ INFOINVENT Ediția XVI-a DIPLOMĂ MEDALIA DE AUR se acordă BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina pentru TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379, 20-23 noiembrie 2019, Republica Moldova Chișinău.
- KUIA-Special Award, award to: BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEȘ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIȚĂ Olivia-Doina in honor of the highest standard of excellence presented the valuable invention entitled: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379 has participated in: International Specialized Exhibition INFOINVENT a Forum on Intellectual property, Creativity and Innovation,

- 20-23 November 2019, Chişinău, Republic of Moldova, Korea University Invention Association, President: Lee Ju Hyung
- REPUBLICA PORTUGUESA , ASSOCIATION OF EUROPEAN INVENTORS, APPICIS, INVENTARIUM SCIENCE, CERTIFICATE, IT CERTIFIES THE PRESENT, TO CONFIRM OFFICIAL INTERNATIONAL MERIT CERTIFICATE FOR CONTRIBUTION TO INNOVATION AND BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEŞ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIŢĂ Olivia-Doina FOR THE BRILLIANT INVENTION PRESENTED: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379 FROM: ROMANIA FOR ALL THE ABNEGATED SHARE COOPERATION AND SPARKLING OPEN MIND, PROMOTING INNOVATION AND CREATIVITY IN THE INVENTIVE SIRIT OF PROGRESS, November 22, 2019, in Chisinau, during INFOINVENT-MOLDOVA INTERNATIONAL TRADE FAIR, 2019, It was conferred the present official Distinction, President of Inventarium-Science-Serbia: Djordje Petrusic, President of Global Inventarium Science: Fernando Lopes, President of Inventarium-Science-Bosnia Banja Luka
 - UNIVERSITATEA DE STAT DE MEDICINĂ ŞI FARMACIE NICOLAE TESTEMIŢANU DIN REPUBLICA MOLDOVA, DIPLOMĂ DE EXCELENŢĂ CU MEDALIE, Se acordă: BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEŞ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIŢĂ Olivia-Doina pentru: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379 EIS INFOINVENT 2019, 20-23 Noiembrie 2019, Chişinău, Republica Moldova, Rector: profesor universitar, dr.hab.ş.t.med Emil Ceban, prorector pentru activitate de cercetare: profesor
 - PRO INVENT-CLUJ-NAPOCA, DIPLOMĂ DE EXCELENŢĂ ŞI MEDALIA PROINVENT, Se acordă: BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEŞ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIŢĂ Olivia-Doina, De la: Universitatea Politehnica Bucureşti, Pentru: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379,, INFOINVENT EXPOZIŢIA Internaţională Specializată, Ediția a XVI-a, 20-23 Noiembrie 2019
 - ICECHIM- The National Institute for Research & Development in Chemistry and Petrochemistry, ICECHIM-Innovation Award IS AWARDED TO: BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEŞ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIŢĂ Olivia-Doina, FOR: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379 , The International Specialized Exhibition Infoinvent 2019, Chişinău, Republic of Moldova, General Manager: Dr.biochem. Mihaela DONI, 23.11.2019
 - XVI th Edition INFOINVENT-International Specialized The Exhibition November 20-23, 2019, Chisinau Moldova, Banat's University of Agricultural Sciences and Veterinary Medicine, "King Michael I of Romania" from Timisoara, EXCELLENCE DIPLOMA, for work: TOTAL SEMI-CONSTRICTED ELBOW PROSTHESIS MADE OF SHAPE-MEMORY ALLOY WITH HINGE-LIKE FIXATION AND COUPLING SYSTEM BASED ON SHAPE-MEMORY EFFECT - RO 131379 , Authors: BATALU Nicolae-Dan, SEMENESCU Augustin, COSTOIU Mihnea Cosmin, ANTONIAC Vasile Iulian, DOICIN Cristian-Vasile, AMZA Cătălin Gheorghe, MATEŞ Ileana-Mariana, CHIVU Oana-Roxana, CODOREAN Ion-Bogdan, BARBU Cătălin-Alexandru, BĂDICĂ Petre, NEGOIŢĂ Olivia-Doina, Rector: Prof.dr.ing. COSMIN ALIN POPESCU, Vicerector for research-innovation Prof.dr. Isidora RADULOV
 - Certificate of award, this is to certify Cristina Anca Secara, Ionut Dumitrache, Bogdan Patrinishi, Adrian Claudiu Popa, Aurelian Zapciu, Catalin Gheorghe Amza, Diana Popescu, Augustin Semenescu, University Politehnica Bucharest, Romania, has been awarded GOLD MEDAL Self injection Syringe for the administration of the antidotes with an innovative active substance release system on the occasion of 2021 Kaoshiung International Invention & Design Expo.2-4 December 2021, Kaoshiung Taiwan, President of WIIPA Mnali Hsieh, President of International Jury Neven Markovic.
 - Inova Croatia, Zagreb 2021, GOLD, Cristina Anca Secara, Ionut Dumitrache, Bogdan Patrinishi, Adrian Claudiu Popa, Aurelian Zapciu, Catalin Gheorghe Amza, Diana Popescu, Augustin

- Semenescu, University Politehnica Bucharest, Romania, Self injection Syringe for the administration of the antidotes with an innovative active substance release system, Director: Neven Markovic, President:Ljiljana Pedisic.
- Salonul International de Inventii si Inovatii Traian Vuia Timisoara, se acorda Medalia de aur pentru inventia Surub auto-tarodant canulat bioresorbabil pentru fixare ligamentara, autori Antoniac Vasile Iulian, Laptoiu Dan Constantin, Popescu Diana, Semenescu Augustin, Amza Catalin Gheorghe, Institutia Universitatea Politehnica Bucuresti, Presedinte salon: Andrei SON, Presedinte salon Remi Rdulescu, Data 14 octombrie 2021.
 - Salonul International de Inventii si Inovatii Traian Vuia Timisoara, se acorda Medalia de aur pentru inventia Seringa autoinjectoare cu sistem inovativ de eliberare a substantelor active, pentru administrarea antidoturilor, autori Cristina Anca Secara, Ionut Dumitrache, Bogdan Patrinishi, Adrian Claudiu Popa, Aurelia Zapciu, Catalin Gheorghe Amza, Diana Popescu, Augustin Semenescu, Institutia Universitatea Politehnica Bucuresti, Presedinte salon: Andrei SON, Presedinte salon Remi Rdulescu, Data 14 octombrie 2021.
 - Salonul International de Inventii si Inovatii Traian Vuia Timisoara, se acorda Medalia de aur pentru inventia Endoproteza cervicala femurala scurta, autori Marius Moga, Mihnea Cosmin Costoiu, Ileana Mariana Mates, Catalin Gheorghe Amza, Cezar Ionut Calin, Augustin Semenescu, Institutia Universitatea Politehnica Bucuresti, Presedinte salon: Andrei SON, Presedinte salon Remi Rdulescu, Data 14 octombrie 2021.
 - International Invention Show-Inova Croatia, Zagreb 2021, GOLD, Cristina Anca Secar, Ionut Dumitrache, Bogdan Patrinishi, Adrian Claudiu Popa, Aurelian Zapciu, Catalin Gheorghe Amza, Diana Popescu, Augustin Semenescu, University Politehnica Bucharest, Romania, Self injection Syringe for the administration of the antidotes with an innovative active substance release system.
 - ICECHIM-The National Institute for Research and Development in Chemistry and Petrochemistry ICECHIM, Excellence Award and Gold Medal, is awarded to Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATES, Cezar Ionut CALIN, Catalin Gheorghe AMZA, for SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS, 13th edition of EUROINVENT, European Exhibition of Creativity and Innovation, 20-22 May 2021, General Manager Dr.biochem. Mihaela DONI
 - REPUBLICA PORTUGUESA, CERTIFICATE, IT CERTIFIES THE PRESENT, TO CONFIRM OFFICIAL INTERNATIONAL MERIT CERTIFICATE, FOR CONTRIBUTION TO INNOVATION AND EXCELENT COOPERATION, IT CERTIFIES THAT IS GRANTED TO Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATES, Cezar Ionut CALIN, Catalin Gheorghe AMZA, for SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS, FROM UNIVERSITY POLITEHNICA OF BUCHAREST, for all abnegated share cooperation and sparkling open mind , Delivered in the 7th edition of ICIR EUROINVENT, hold from 20 to 21 of May 2021, by exceptional conference, Vice-President: Manuel Maria Potes de Cordovil, President: Fernando Jorge Lopes.
 - ATIP, SPECIAL PRIZE is hereby awarded to Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATES, Cezar Ionut CALIN, Catalin Gheorghe AMZA, for SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS, awarded by Association of Thai Innovation and Invention Promotion Thailand, in EUROINVENT, Dr. Unchalee Sanguanpong President
 - WIIPA SPECIAL AWARD, Presented to Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATES, Cezar Ionut CALIN, Catalin Gheorghe AMZA in recognition of SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS exhibited at European Exhibition of Creativity and Innovation, EUROINVENT, May 2021, Palace of Culture, Romania, President: Manli Hsieh.
 - TISIAS-SPECIAL HONOUR OF INVENTION is hereby presented to Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATES, Cezar Ionut CALIN, Catalin Gheorghe AMZA in recognition of SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS The 13th European Exhibition of Creativity and Innovation, EUROINVENT 2021, held online during 20-22 May 2021 at the Palace of Culture Iasi, Romania, Moonsuk CHANG Chairman and Chief Exhibition Officer TISIAS-Toronto Canada, Bob HUYBRECHTS, RDT Co-Chairman of the Jury.
 - DIPLOMA OF GOLD MEDAL is awarded to Marius MOGA, Augustin SEMENESCU, Mihnea Cosmin COSTOIU, Ileana Mariana MATES, Cezar Ionut CALIN, Catalin Gheorghe AMZA in recognition of SHORT FEMORAL STEM CERVICAL ENDOPROTHESIS President of International Jury Prof.Dr.Ing.Mohd Mustafa Al Bakri ABDULLAH, President of Exhibition Prof.Dr.Ion SANDU
 - Outstanding Paper Award, International Conference – ISIEA2022
 - GOLD International Exhibition INVENTCOR 3rd edition, 15-17.12.2022, Deva, Romania, AWARDED FOR SELF-INJECTION SYRINGE FOR THE ADMINISTRATION OF ANTIDOTES WITH AN INNOVATIVE ACTIVE SUBSTANCE RELEASE SYSTEM RO 00232 /2021 - Cristina

Anca SECARĂ, Ionuț DUMITRACHE, Bogdan PĂTRINICHI, Adrian Claudiu POPA, Aurelian ZAPCIU, Cătălin Gheorghe AMZA, Diana POPESCU, Augustin SEMENESCU - University POLITEHNICA Bucharest, Salon president, Associate Professor Corneliu BIRTOK BĂNEASĂ, Jury president, Professor Aurel Mihail ȚÎȚU

- Asociația "JUSTIN CAPRA" - DIPLOMA DE EXCELENȚĂ SE ACORDA. Cristina Anca SECARĂ, Ionuț DUMITRACHE, Bogdan PĂTRINICHI, Adrian Claudiu POPA, Aurelian ZAPCIU, Cătălin Gheorghe AMZA, Diana POPESCU, Augustin SEMENESCU, PENTRU SELF-INJECTION SYRINGE FOR THE ADMINISTRATION OF ANTIDOTES WITH AN INNOVATIVE ACTIVE SUBSTANCE RELEASE SYSTEM RO 00232 /2021 CU OCAZIA INVENTCOR 2022, Presedinte Dr. Ing. Marian VELCEA
- Asociația "CORNELIU GROUP" CERCETARE-INOVARA - DIPLOMA DE EXCELENȚĂ - Se acorda Cristina Anca SECARĂ, Ionuț DUMITRACHE, Bogdan PĂTRINICHI, Adrian Claudiu POPA, Aurelian ZAPCIU, Cătălin Gheorghe AMZA, Diana POPESCU, Augustin SEMENESCU pentru SELF-INJECTION SYRINGE FOR THE ADMINISTRATION OF ANTIDOTES WITH AN INNOVATIVE ACTIVE SUBSTANCE RELEASE SYSTEM RO 00232 /2021. INVENTCOR POWER OF CREATIVE MIND, Deva, 15-17.12.2022, Președinte Corneliu BIRTOK-BĂNEASĂ, www.corneliugroup.ro
- Universitatea Politehnica Timisoara SPECIAL AWARD For SELF-INJECTION SYRINGE FOR THE ADMINISTRATION OF ANTIDOTES WITH AN INNOVATIVE ACTIVE SUBSTANCE RELEASE SYSTEM RO 00232 /2021 to: Cristina Anca SECARĂ, Ionuț DUMITRACHE, Bogdan PĂTRINICHI, Adrian Claudiu POPA, Aurelian ZAPCIU, Cătălin Gheorghe AMZA, Diana POPESCU, Augustin SEMENESCU, On the occasion of The International Exhibition of INVENTCOR, III Edition, Deva – ROMANIA, 15-17 December 2022, Deva December 2022, Rector Assoc. Prof. Eng. Florin DRAGAN, Ph.D.
- TISIAs - Toronto International Society of Innovation and Advanced Skills -- International Invention Innovation Competition in Canada, iCan - TORONTO CANADA, SPECIAL HONOUR OF INVENTION is hereby presented to Cristina Anca SECARĂ, Ionuț DUMITRACHE, Bogdan PĂTRINICHI, Adrian Claudiu POPA, Aurelian ZAPCIU, Cătălin Gheorghe AMZA, Diana POPESCU, Augustin SEMENESCU for outstanding exhibition and presentation of invention entitled SELF-INJECTION SYRINGE FOR THE ADMINISTRATION OF ANTIDOTES WITH AN INNOVATIVE ACTIVE SUBSTANCE RELEASE SYSTEM RO 00232 /2021, The 3-rd annual International Exhibition INVENTOR 2022, 15-17 December 2022 in Deva, Romania, Moonsuk Chang – Chairman & Chief Exhibition Officer TISIAs- Toronto, Canada, Bob Huybrechts – Co-chairman of the jury iCan - TORONTO CANADA.