



Curriculum vitae Europass



Informații personale

Nume / Prenume

Badea Mihaela

Adresă

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Naționalitate

romana

Data nașterii

24.03.1973

Locul de muncă vizat / Domeniul ocupațional

Obținerea postului de profesor universitar

Experiența profesională

Perioada

01.10.2007 – prezent

Funcția sau postul ocupat

Conferentiar universitar (Din aprilie 2012 – martie 2013- Prodecan cu activitati de cercetare)

Activități și responsabilități principale

Activitati didactice (cursuri si lucrari practice) si de cercetare in biochimie medicala, tehnici de laborator, biofizica, chimie fizica si coloidala, chimie analitica, aparatura de laborator
Coordonator program de studii de licenta – Laborator clinic (3 ani)

Numele și adresa angajatorului

Universitatea Transilvania din Brasov, Facultatea de Medicina

Tipul activității sau sectorul de activitate

Educatie- cercetare

Perioada

oct. 2011 – nov 2014

Funcția sau postul ocupat

Chimist-biochimist

Activități și responsabilități principale

Analize chimice-biochimice de laborator

Numele și adresa angajatorului

SC Kronmedica 2003 SRL Zarnesti, Str. Policlinicii nr.12

Tipul activității sau sectorul de activitate

Analize de laborator, consultanta

Perioada

01.10.2001 – 30.09.2007

Funcția sau postul ocupat

Sef lucrari

Activități și responsabilități principale

Activitati didactice (cursuri si lucrari practice) si de cercetare in biochimie medicala, tehnici de laborator, biofizica

Numele și adresa angajatorului

Universitatea Transilvania din Brasov, Facultatea de Medicina

Tipul activității sau sectorul de activitate

Educatie - cercetare

Perioada

01.03.1997-30.09.2001

Funcția sau postul ocupat

Preparator si Asistent univ.

Activități și responsabilități principale

Activitati didactice (lucrari practice) si de cercetare in biochimie medicala, tehnici de laborator

Numele și adresa angajatorului	Universitatea Transilvania din Brasov, Facultatea de Medicina
Tipul activității sau sectorul de activitate	Educatie - cercetare
Perioada	17.09.1996 – 01.03.1997
Funcția sau postul ocupat	Profesor – Liceul Auto Brasov
Activități și responsabilități principale	Predare chimie
Numele și adresa angajatorului	Str. Carierei Brasov
Tipul activității sau sectorul de activitate	Profesor chimie
Educație și formare	
Perioada	13.04.2017 – prezent
Calificarea / diploma obținută	Atestat de abilitare in domeniul de studii universitare de doctorat Medicină (Ordin Ministru nr 3698/13.04.2017)
Disciplinele principale studiate / competențe profesionale dobândite	Coordonare activitati doctorale
Numele și tipul instituției de învățământ	Facultatea de Medicina, Universitatea de Medicină și Farmacie “Carol Davila” din Bucuresti, România
Perioada	01.11.2013 – prezent
Calificarea / diploma obținută	Doctorand in medicina
Disciplinele principale studiate / competențe profesionale dobândite	<i>Corelatii intre factorii de mediu si bolile cronice</i> (Coordonator stiintific: Prof. Dr. Mariana Radoi)
Numele și tipul instituției de învățământ	Facultatea de Medicina, Universitatea Transilvania din Brasov, Romania
Perioada	01.10.2012 – sept 2013
Calificarea / diploma obținută	Master in medicina – MSPPS – Managementul strategiilor preventive si politici sanitare
Disciplinele principale studiate / competențe profesionale dobândite	<ul style="list-style-type: none"> • Subiecte: management si politici sanitare, strategii preventive și epidemiologie, bioetica, marketing, audit, resurse umane, factorii determinanți ai sistemului de sănătate, finanțarea și politicile sistemelor de sănătate, biostatistica
Numele și tipul instituției de învățământ	Facultatea de Medicina, Universitatea Transilvania din Brasov, Romania
Perioada	17.09. 2012 -21.12.2012
Calificarea / diploma obținută	Adeverinta de absolvire (nr.1610/63876/22.12.2012) a programului modular de formare: Modul I – “Elemente de management educational” Modul II – “Comunicare si inrerrelationare in spatiul comunitar” in cadrul proiectului “Optim E-Manager” - POSDRU/85/1.1./S/63876
Disciplinele principale studiate / competențe profesionale dobândite	<ul style="list-style-type: none"> • Subiecte: elemente de management educational, comunicare si interrelationare in spatiul comunitar, eLearning
Numele și tipul instituției de învățământ / furnizorului de formare	ISJ Dambovita, ISJ Brasov, CDD Dambovita, CCD Brasov si Asociatia Shotron
Perioada	19-25 martie 2012 (modul de baza) si 02-08 iulie 2012 (modul avansat)
Calificarea / diploma obținută	Certificat de absolvire (seria A.1.3. nr 489/08.07.2012) al cursului “Proteomica- de la cercetare la clinica” organizat in cadrul proiectului “Sistem de formare profesionala a personalului medical in domeniul noilor tehnologii din sistemul de sanatate (diagnostic molecular)” – POSDRU/81/3.2./S/58819 TDM – Coordonator tematic Proteomica - Dr Monica Neagu
Disciplinele principale studiate / competențe profesionale dobândite	<ul style="list-style-type: none"> • Subiecte: Proteomica – tehnici electroforetice, analiza post electroforetica (Western blot), tehnici de imunodectie (ELISA, FIA, RIA...Protein microarray), multiplexare xMAP, spectrometria de masa, strategii integrate pentru “protein discovery”, semnalizare intracelulara, banci de tesuturi, notiuni de biostatistica
Numele și tipul instituției de învățământ / furnizorului de formare	Institutul National de Cercetare Dezvoltare in Domeniul Patologiei si Stiintelor Biomedicale “Victor Babes” Bucuresti, Universitatea de Medicina si Farmacia “Gr. T. Popa” Iasi, Institutul Oncologic “Prof dr Ion Chiricuta” Cluj-Napoca

Perioada	01.11.1997 – 17.06.2005
Calificarea / diploma obținută	Doctorat in chimie
Disciplinele principale studiate / competențe profesionale dobândite	<i>Contributii la elaborarea unor metode enzimactice, imunochimice si cromatografice pentru controlul si determinarea unor compusi organici</i> (Coordonator stiintific: Prof. Dr. Simion Gocan) <ul style="list-style-type: none"> • Subiecte <ul style="list-style-type: none"> - interactii imunochimice, studii chinetice enzimactice, detectii folosind biosenzori, analize cromatografice, spectrale si imunochimice pentru detectia pesticidelor; - detectia colinei si a metabolitilor (betaina, fosfocolina, fosfatidilcolina, glicerofosfocolina, sfingomielina) - studii pe culture celulare – teste de apoptoza (TUNEL, caspaza 3, acumulari lipidice) – dezvoltare de noi modele celulare
Numele și tipul instituției de învățământ	Facultatea de Chimie si Inginerie Chimica, Universitatea Babeș-Bolyai din Cluj-Napoca, Romania
Perioada	2000 - 2002
Calificarea / diploma obținută	Diploma de studii postuniversitare de specializare (seria A nr.0003552/ Nr52/05.03.2002: Monitorizarea calității mediului, în cadrul proiectului EUROCEP, Programul Tempus (media generala 9,92)
Disciplinele principale studiate / competențe profesionale dobândite	Curs postuniversitar TEMPUS EuRoCEP – Monitorizarea calitatii mediului Stagiu practic (17.04. – 01.05. 2001) in ADEME Paris-IUT Angers, Franta, despre metode cromatografice de detectie a pesticidelor
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Transilvania din Brașov, Facultatea de Electrotehnica
Perioada	01.10.1991 – 01.10.1996
Calificarea / diploma obținută	Licentiat in Fizica si Chimie
Disciplinele principale studiate / competențe profesionale dobândite	Chimie, Fizica, Tehnici de laborator, Biotehnologie
Numele și tipul instituției de învățământ	Facultatea de Stiintie, Universitatea Transilvania din Brasov, Romania
Perioada	01.09.1987 – 01.09.1991
Calificarea / diploma obținută	Diploma de absolvire – laborant fizica-chimie
Disciplinele principale studiate / competențe profesionale dobândite	Chimie, Fizica, Tehnici de laborator, Biochimie
Numele și tipul instituției de învățământ	Liceul C. D. Nenitescu, Brasov, Romania
Aptitudini și competențe personale	
Limba maternă	Romana
Limbi străine cunoscute	Engleza - scris, citit, conversatie – foarte bine Franceza - scris, citit, conversatie – bine Germana - scris, citit – mediu
Autoevaluare	

Oct 2013 - prezent – coordonator domeniu de studii de licență Laborator clinic în cadrul Facultății de Medicină din Universitatea Transilvania din Brașov

Membra în Consiliul Județean al Ordinului Biochimistilor, Biologilor și Chimistilor în Sistemul Sanitar din România (OBBCSSR), Filiala Brașov MANDAT 2016- 2020

Aprilie 2012 – Martie 2013 – Prodecan responsabil cu activitatea științifică

Coordonarea de proiecte internaționale (FP7, Erasmus, CEEPUS) și naționale (CEEX, CNCIS) obținute prin competiție

Coordonarea elaborării unor cărți de specialitate în domeniul analizelor în domeniul științelor vieții (medicină, mediu, alimentație) cu colective științifice internaționale și naționale

Elaborarea de cărți/capitole de cărți și lucrări științifice în domeniul sănătate-alimentație-mediu

Inițierea și contribuția la dezvoltarea și dotarea unor laboratoare și centre cu profil biochimie în cadrul Facultății de Medicină

- Membra a Centrului de cercetare fundamentală și strategii preventive în medicină din Facultatea de Medicină, Universitatea Transilvania din Brașov – iulie 2011-prezent
- Membra a Departamentului de Medicină Inovativă, Fundamentală și Aplicativă din Facultatea de Medicină, Universitatea Transilvania din Brașov – ian 2010-iunie 2011
- Membra a Departamentului de Eco-biotehnologii și echipamente în agricultură și alimentație din Institutul de cercetare al UTBv – PRO-DD – sept 2009-ian 2010
- Coordonator al laboratorului de biochimie din cadrul departamentului de cercetare „Depășirea provocărilor în bolile cardiovasculare din Facultatea de Medicină– 2006-ian 2010
- Contribuții la dezvoltarea infrastructurii Laboratorului integrat de fiziologie, fiziopatologie, biochimie și imunologie din Facultatea de Medicină (prin proiectele CEEX coordonate ca și director în 2006, 2007, 2008)
- Membra a Centrului de Cercetări pentru Calitatea Vieții și Performanța Umană, recunoscut CNCIS cu Certificatul nr.23/12.09.2006, - 2006- ian 2010
- Coordonarea Laboratorului de Biochimie din Facultatea de Medicină, Universitatea Transilvania din Brașov și a Cercului Științific studentesc de biochimie

Coordonator și organizator de conferințe internaționale și participare ca chair-person la unele secțiuni

- **2017** - Coordonator al International Conference – New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences – NT SMT-LS 2017, 7-9 sept. 2017, București
- **2016** – membra în comitetul științific și în comitetul de organizare al 6th International Conference BioAtlas, 27-29 mai 2016, Brașov
- **2016** – membra în comitetul științific al workshopului Usefulness and Creativity in Mobile Application Development, Porto, Portugal, 5-7 October 2016
- **2016** – membra în comitetul tehnic al International Conference on Communication, Management and Information Technology (ICCMIT 2016), Cosenza –Italy, April 26-29, 2016 (<http://www.iccmitt.net/Committees16.html#a2>)
- **2015** - Coordonator al International Conference – New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences – NT SMT-LS 2015, 3-5 sept. 2015, Brașov
- **2015** –membra în comitetul științific al Workshop on Knowledge Engineering in eHealth (KEeH) realizat în cadrul 2015 IEEE Seventh International Conference on Intelligent Computing and Information Systems, ICICIS, 12-14 December 2015, Cairo, Egypt
- **2014** – Coordonator al International Conference – New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences – NT SMT-LS 2014, 24-26 iulie 2014, Brașov
- **2012** - Coordonator al International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences - IC ANMBES 2012, 24-27 mai 2012, Brașov
- **2011** - Coordonator al International Conference on Healthy Nutrition and Public Health, IC-HNPH – 2011, 13-16 mai 2011
- **2011** - Organizare meeting-uri de proiect FP7 la Brașov – PlantLIBRA nr 245199 – 17-20 mai 2011
- **2010** - Coordonator al International Conference on *Analytical and Nanoanalytical methods for biomedical and Environmental Sciences* - IC ANMBES 2010, 18-20 iunie 2010, Brașov
- **2008** – chairman al International Conference on Environmental Pollution and Its Impact on Public Health, Brașov, 16-19 July, 2008 - SECTION 5. Biology- Biodiversity- Water Pollution

Premii si recunoastere
internationala/nationala

- **2008** - membra in Advisory Committee for IC-EST 2008 - The 4th International Conference on Environmental Science and Technology 2008, Houston, Texas, USA on July 28-31, 2008. - chairman Session 05-01 (Session 5) -Human Exposure
- **2005** – chairman al International Conference EnvEdu2005 organizat in cadrul proiectului Bioanalytical Methods – Linking Environmental Protection and Public Health SOCRATES/ERASMUS-DISS -51388-IC-1-2003-1-RO-ERASMUS-DISSUC-2, 2004-2005 (director de proiect)
- **2004, 2005**– membra in comitetul de organizare a International Conference EnvEdu Trends in Environmental Education, Braşov, România
- **2015** - Poster award -“Assessment of risk areas polluted by microparticles and nanoparticles”, **Badea M.**, Marty J.L., Agache I., Gavris C., Moga M., Radoi M, International Conference – New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences – NT SMT-LS 2015, 3-5 sept 2015, Brasov
- **2014** – premiul II - *Experimental studies using enzyme biosensors for electrochemical detection of toxic compounds*; Authors: Ligia Chelmea, Claudia Faraian, Niculina Dragomir, Coordinators: Assoc Prof. Dr. **Badea M.**, Lecturer Dr. Floroian L, Assoc Prof. Dr. Moga M, International Congress for Students, Young Physicians and Pharmacists, MARISIENSIS 2014, mai 2014, Tg Mures,
- **2013** – premiul III Poster – “Studii experimentale folosind biosenzori enzimatici pentru detectia electrochimica a compusilor toxici”, Autori: Ligia Chelmea, Claudia Faraian; Coordinatori: Conf. Dr. **Badea M**, Sef lucrari Dr. Floroian L, Conf. Dr. Moga M–Congres National pentru Medici si Tineri Medici, 5-8 dec 2013 Bucuresti
- **2011** – Premiul I – sectiunea poster – “Comparison of nanotubes-glasses and the screen-printed enzymatic biosensor for the detection of organophosphate insecticide”, GS Nunes, S. Silva, H. Yamanaka, **M. Badea**, JL Marty, International Conference Healthy Nutrition of Public Health, Brasov May 13-16, 2011.
- **2011**- Premiul pentru Proiecte internationale derulate in 2011, Universitatea Transilvania din Brasov, dec 2011
- **2010** – Premiul Universitatii Transilvania din Brasov pentru “Organizarea de Conferinte Internationale” (16 dec 2010) - coordonatorilor comitetului de organizare a conferintei IC ANMBES 2010 (Mihaela Badea, Monica Florescu)
- **2010** – Premiul Universitatii Transilvania din Brasov pentru Proiecte de Cercetare Finantate prin Proiecte Internationale (16 dec. 2010)
- **2010** – Mentiune pentru lucrarea poster - “Free enzymes, enzyme-labeling molecules and enzymatic biosensors for organophosphorus pesticide detection”, Autori: Cristina Belea, Alexandra Buhoci, **Mihaela Badea**, Jean-Louis Marty, Gilvanda Silva Nunes, Simpozionul National de Bioinginerie Medicala pentru Tineri Cercetatori, 20-23 mai 2010
- **2010** – Mentiune pentru lucrarea poster - “Biosensors used for toxic compounds detection from different matrices”, ”, Autori: Alexandra Buhoci, **Mihaela Badea**, Jean-Louis Marty, Gilvanda Silva Nunes, Simpozionul National de Bioinginerie Medicala pentru Tineri Cercetatori, 20-23 mai 2010
- **2008** - YOUNG SCIENTIST PAPER AWARD pentru lucrarea *Mycotoxin influence in Living bodies using enzymatic and immunohistochemical detections*, **M. Badea**, N. Taus, M. Potrovita, 4th International Conference on Environmental Science and Technology, Houston, July 28-31, 2008
- **2007** - Premiul 1 – pentru lucrarea poster - Moarcas M., Vadanuta-Plotogea A., **Badea M**, Coman Gh., Marty J.-L., „Inhibition action of Clorpyrifos oxon tested with enzyme-based biosensor system, *8th International Congress for Medical Students and Young Doctors, Medicalis2007, Cluj-Napoca*, 3-6 mai 2007
- **2006** - THE BEST POSTER AWARD –pentru lucrarea „Nitrate Detection Using Recombinant Enzyme”, autori **Badea M.**, M. Munteanu, A. Marginean, L. Lazoriec, R. Mihaila, Idomir M., Taus N., Coman Gh. - Transilvania University of Brasov, ROMANIA, Jean-Louis Marty - University of Perpignan, Franta, *International Workshop on Quality of Food and Beverages in the Frame of EU Standards*, Bucharest, February 23-24, 2006 – manifestare finantata de Balkan Environmental Association si Academy of Agricultural and Forestry Sciences Gheorghe Ionescu-Sisesti
- **2006** - Premiu pentru directia de cercetare cu rezultate special in obtinerea de granturi ale tinerilor cercetatori pentru Directia de cercetare a Facultatii de Medicina „Depasirea provocarilor in bolile cardiovasculare, Premiile Universitatii Transilvania din Brasov, dec. 2006

- **2004** - Diploma de excelenta oferita de Asociatia de Ecosanogeneza din Romania pentru cartea „Pollutants and Their Impact on Human Body, Coman, Gh., Draghici, C., (Eds.), Ed. Universitatii Transilvania din Brasov, (2004), pg. 44-46, in seria EnvEdu, ISSN 1584-0506, ISBN 973-635-392-3, editura acreditata CNCSIS, coauthor la capitolele 3.2. si 3.4.
- **2004** - Bursa de cercetare pentru tineri cercetatori sub 35 ani - *Controlul calitatii probelor de apa utilizand metode enzimactice pentru detectia pesticidelor organofosforice*, selectata si finantata de Balkan Environmental Association (B.EN.A) folisind fonduri ale TUBORG-Romania care sustin programe pentru proiecte si burse de mediu in Romania – Aprilie – Nov. 2004

Proiecte de cercetare-dezvoltare

- **1 Proiect international de cercetare – Coordonator din partea UTBV**

	Program/Proiect	Perioada
1.	<p>FP7 project - <i>PlantLIBRA (Plant Food Supplements: Level of Intake, Benefit and Risk Assessment)</i> –FP7 - KBBE-2009 -245199</p> <p>Coordonator FP7 Project- Prof. Patrizia Restani, Univ. of Milan, Italy</p> <p>http://plantlibra.eu/web/?q=node/70</p> <p>Finantator - EU</p> <p>valoare proiect – 5985934.00 euro</p> <p>valoare UTBV 255304.04 euro</p> <p>Principalele publicatii – E.ISI.1; E.ISI2, E.ISI.16; E.ISI.18; E.ISI.19; E.ISI.20; E.ISI.25; E.ISI.26; E.ISI.27; E.ISI.27; E.ISI.28; alte articole BDI si participari la conferinte (rezumate publicate)</p>	2010-2014

- **6 proiecte nationale de cercetare – director/responsabil proiect**

	Program/Proiect	Perioada
1.	<p>ANCSI - Finanțarea Manifestărilor Științifice si Evenimentelor Asociate – Conferinta internationala - <i>New Trends on Sensing-Monitoring- Telediagnosis for Life Sciences</i>, NT SMT-LS 2015, 3-5 sept. 2015</p> <p>Contract nr 21M/2015</p> <p>Director proiect –Badea M., Floroian L.</p> <p>Finantator – ANCSI</p> <p>Valoare 4500 lei</p> <p>Principalele publicatii</p> <ul style="list-style-type: none"> • Badea M., Floroian L., <i>New trends in monitoring and diagnosis for health sciences</i>, Editura: LAP Lambert Academic Publishing, OmniScriptum GmbH&Co.KG, 2015, Saarbrucken, Germania, ISBN 978-3-659-7699-1 • Badea M., Floroian L., Restani P., Marty J.L., <i>New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences</i>, NT SMT-LS 2015, Book of abstracts, Lux Libris Publishing House, 2015, 144 pagini, ISBN 978-973-131-328-3 • Floroian L., Badea M., <i>Challenges in medicine, food control and environmental</i>, Ed. Universitatii Transilvania din Brasov, 2015, ISBN: 987-606-19-0591-1 	2015
2.	<p>MEN - Manifestari stiintifice –finantare manifestari stiintifice internationale – International Conference <i>New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences</i>, NT SMT-LS 2014, 24-26 iulie 2014, Brasov</p> <p>Contract 55M/2014</p> <p>Director – Badea M.</p> <p>Finantator MEN</p> <p>Valoare 6000 lei</p> <p>Principalele publicatii</p> <ul style="list-style-type: none"> • Badea M., Moga M., Restani P., Marty J.L., <i>New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences</i>, NT SMT-LS 2014, Book of abstracts, Lux Libris Publishing House, 2014, 152 pagini; ISBN 978-973-131-280-4 • Badea M., Floroian L., Moga M. (Editori), <i>Sensing-Monitoring-Telediagnosis for Life Sciences</i>, Vol. 	2014

	<p>1 <i>Medical Sciences</i>, Ed. Universitatii Transilvania din Brasov, 2014, 213 pg; ISBN 978-606-19-0388-7 gen; ISBN 978-606-19-0389-4 vol I.</p> <ul style="list-style-type: none"> Floroian L., Badea M., Moga M. (Editori), <i>Sensing-Monitoring-Telediagnosis for Life Sciences, Vol.2 Food and Environment</i>, Ed. Universitatii Transilvania din Brasov, 2014, 167 pg., ISBN 978-606-19-0388-7 gen; ISBN 978-606-19-0390-0 vol II. 	
3.	<p>Contract 950/04/04/2011 pentru organizarea Conferinței Internaționale – <i>Healthy Nutrition and Public Health IC – HNPH 2011</i> – mai 2011 Director – Badea M. Finantator Consiliul Judetean Brasov Valoare – 8000 lei Principalele publicatii</p> <ul style="list-style-type: none"> Restani P., Badea M., <i>Healthy Nutrition and Public Health, Book of Abstracts IC HNPH 2011</i>, Transilvania University Press, 2011, ISBN 978-973-598-896-8; 81 pagini 	2011
4.	<p>Proiect ANCS –finantare manifestari stiintifice internationale – International Conference <i>Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences</i>; mai 2010, Contract 48M/26.05.2010 Director –Florescu M., Badea M. Finantator – ANCS Valoare - 12760 lei Principalele publicatii</p> <ul style="list-style-type: none"> Florescu M., Badea M., Marty J.L., Raicu V.(Editori), <i>Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences: First International Conference, IC-ANMBES 2010</i>, Brasov, June 18th-20th, 2010, Book of abstracts, Editura Universitatii Transilvania din Brasov, ISBN 978 - 973 - 598 - 722 – 0, Nr Pagini: 147 	2010
5.	<p>Proiect CEEX – Proiect de excelenta pentru tineri cercetatori: <i>Detectia unor compusi toxici din apa, alimente si probe biologice, folosind metode enzimatice, cromatografice si spectrale</i> cod project –163, Nr. 5898/18. 09. 2006 http://www.unitbv.ro/bmp/ProiecteUTBv/Proiectenationale.aspx http://www.cnmp.ro/ceex/comp2_2006/ http://www.cnmp.ro/ceex/comp2_2006/oferta.php?id=68 Finantator – UEFISCSU Valoare – 142000 lei Principalele publicatii</p> <ul style="list-style-type: none"> Badea M., Taus N., Potrovita M., Nicolau A., Dumitrescu L., Sechel G., Moarcas M., <i>Heavy metals influence in living bodies using enzymatic, immunohistochemical and chromatographic detections</i>, In: Environmental Science and Technology, 2008 (vol.1), George Sorial and Jihua Hong, Eds., American Science Press, Houston, USA, Page 389-396, 2008, ISBN 978-0976885306 Badea M., Taus N., Potrovita M., Moarcas M., <i>Mycotoxins influence in living bodies using enzymatic and immunohistochemical detections</i>, In: Environmental Science and Technology, 2008 (vol.1), George Sorial and Jihua Hong, Eds., American Science Press, Houston, USA, Page 397-404 (2008) ISBN 978-0976885306 Badea M., Rogozea L., <i>Society for the Environment, Healthy Nutrition and Public Health</i>, In: Environmental Science and Technology, 2008 (vol2), George Sorial and Jihua Hong, Eds., American Science Press, Houston, USA, Page 321-328, 2008, ISBN 978-0976885320 	Sept. 2006 -Aug. 2008
6.	<p>Proiect CEEX - Proiect de excelenta pentru tineri cercetatori: <i>Noi posibilitati de detectie a pesticidelor folosind retele de biosenzori cu acetilcolinesteraze mutante</i>, cod project – 96, Nr. 1459/ 03. 04. 2006 http://www.unitbv.ro/bmp/ProiecteUTBv/Proiectenationale.aspx http://www.cnmp.ro/ceex/comp2_oct/oferta.php?id=72 Finantator – UEFISCSU Valoare – 64900 lei Principalele publicatii</p> <ul style="list-style-type: none"> Articole E.ISI.7, E.ISI.8. Badea M., Rogozea L., Idomir M., Taus N., Balaban D.P., Marty J.L., Noguer T., Nunes G.S., <i>Biosensors for Life Sciences</i>, in "Environmental Technologies. New Developments", Edited by Burcu Ozkaraova Gungor, I-Tech Education and Publishing, Viena, pg. 1-24, 2007, ISBN 978-3-902613-10-3 	Aprilie - dec. 2006

• 19 proiecte internationale educationale – director/responsabil UTBV

	Program/Proiect	Perioada
1.	<p>Erasmus Intensive Programme “<i>Telemonitoring and Telediagnostic for Life Sciences</i>” - TTLS 12-EIP-RO BRASOV01-BIS, nr.6/31.08.2012 Coordonator – Universitatea Transilvania din Brasov http://biofiz.unitbv.ro/telemed/index.html parteneri: Université de Perpignan Via Domitia (France); Univerzita Pardubice (Czech Republic); Univerza v Ljubljani, Biotehniška fakulteta (Slovenia); Pécsi Tudományegyetem (Hungary); Universitatea Babeş Bolyai din Cluj-Napoca (Romania); Universitatea “Ovidius” Constanța (Romania) Valoare – 29390 euro Principalele publicatii</p> <ul style="list-style-type: none"> • Badea M., Rogozea L., Marty J.L. (Editori), <i>Telemonitoring and Telediagnostic for Life Sciences</i>, Ed Lux Libris, Brasov, 2013, 222 pg., ISBN 978-973-131-231-6 	2012-2013
2.	<p>Erasmus Intensive Programme “<i>Bioanalytical Methods for Life Sciences-BMLS</i>” 09-EIP-RO BRASOV01 Coordonator – Universitatea Transilvania din Brasov http://biofiz.unitbv.ro/biomet/index.htm parteneri: Université de Perpignan Via Domitia (France); Univerza Novi Gorici (Slovenia); Univ. Autonoma de Barcelona (Spain); Univ. of Pecs (Hungary); University of Ljubljana (Slovenia); Universitatea “Babes-Bolyai” Cluj-Napoca (Romania); Universitatea de Medicina si Farmacie “Carol Davila” Bucharest (Romania); Univeristatea Ovidius Constanta (Romania); Universitatea de Stiinte Agricole si Medicina Veterinara din Cluj-Napoca (Romania); Universitatea de Medicina si Farmacie Targu Mures (Romania) Valoare – 42728,63 euro Principalele publicatii</p> <ul style="list-style-type: none"> • Badea M., Florescu M., (Editors), <i>My first book on bioanalytical methods</i>, Ed. Universitatii Transilvania din Brasov, Brasov, 2010, 204 pg., ISBN 978-973-598-743-5 • Badea M., Florescu M., Coman Gh. (Editors), <i>Bioanalytical Methods for Life Sciences. Immunochemical methods. Applied Bioanalytical Methods in Medicine, Food Control and Environmental Protection</i>, Ed. Universitatii Transilvania din Brasov, Brasov, 2010, 208 pg., ISBN 978-973-598-724-4 • Badea M., Florescu M. (Editors), <i>Bioanalytical Methods for Life Sciences. Chromatography. Sensors and Biosensors</i>, Ed. Universitatii Transilvania din Brasov, Brasov, 2010, 142pg., ISBN 978-973-598-723-7 • Badea M., Florescu M. (Editors), <i>Multilanguages Glossary of Keywords specific to Bioanalytical Methods for Life Sciences</i>, Ed. Universitatii Transilvania din Brasov, Brasov, 2010, 152pg, ISBN 978-973-598-725-1 	2009-2010
3.	<p>Program SOCRATES/ERASMUS DISS – „<i>Bioanalytical Methods – Linking Environmental Protection and Public Health</i>” -51388-IC-1-2003-1-RO-ERASMUS-DISSUC-2, Cordonator – Universitatea Transilvania din Brasov (Romania) Parteneri: Università degli Studi di Bologna (Italy), Université de Perpignan (France), Università di Milano (Italy), Politehnika Nova Gorica (Slovenia); Universitatea din Bucuresti (Romania), Politechnicka Gdanska (Poland); Karlova Univerzita V Praze (Czech Republic), Universidad de Almeria (Spain), Universitatea Ovidius Constanta (Romania); Univesidade de Lisboa (Portugal); Universidad Complutense de Madrid (Spain); Università Degli Studi di Ferrara (Italy), University di Trieste (Italy); University of Essex (United Kingdom), Universitatea de Medicina si Farmacie Iuliu Hatieganu (Romania), Universitatea Babes-Bolyai Cluj-Napoca (Romania), Universitatea Alexandru Ioan Cuza, Iasi (Romania), Ecole Centrale de Lyon, Lyon (France), Universidad de Las Palmas de Gran Canaria (Spain) Valoare – 50000 euro</p>	2004-2005
4.	<p>Project CEEPUS – <i>Food Safety for Healthy Living</i> CIII-RO-1111-02-1718 Coordonator retea – Universitatea Transilvania din Brasov – conf dr Agache I. si conf dr Badea M.</p>	2017-2018
5.	<p>Project CEEPUS – <i>Food Safety for Healthy Living</i> CIII-RO-1111-01-1617 (status -Umbrella) Coordonator – Universitatea Transilvania din Brasov – conf dr Agache I. si conf dr Badea M.</p>	2016-2017
6.	<p>Project CEEPUS – <i>Education of Modern Analytical and Bioanalytical Methods</i> CIII-CZ-0212-11-1718</p>	2017-2018

	Coordonator – University of Pardubice, Department of Analytical Chemistry, Faculty of Chemical Technology, Assoc Prof Radovan Metelka, Professor Vytras Karel Coordonatori locali UTBV – Sef lucrari dr Claudia Gavris si conf dr Mihaela Badea	
7.	Project CEEPUS – <i>Training and research in environmental chemistry and toxicology</i> CIII-SI-0905-04-1718 Coordonator retea – University of Ljubljana (Slovenia)- Prof dr Trebse Polonca Coordonator local UTBV – Mihaela Badea	2017-2018
8.	Project CEEPUS – <i>Training and research in environmental chemistry and toxicology</i> CIII-SI-0905-03-1617 Coordonator retea – University of Ljubljana (Slovenia)- Prof dr Trebse P.	2016-2017
9.	Project CEEPUS – <i>Education of Modern Analytical and Bioanalytical Methods</i> CIII-CZ-0212-10-1617 Coordonator – University of Pardubice, Department of Analytical Chemistry, Faculty of Chemical Technology, Professor Vytras K. Coordonatori UTBV – Badea M. , Agache I.	2016-2017
10.	Project CEEPUS – <i>Training and research in environmental chemistry and toxicology</i> CIII-SI-0905-02-1516 Coordonator – University of Ljubljana (Slovenia)- Prof dr Trebse P.	2015-2016
11.	Project CEEPUS – <i>Education of Modern Analytical and Bioanalytical Methods</i> CIII-CZ-0212-09-1516 Coordonator – University of Pardubice, Department of Analytical Chemistry, Faculty of Chemical Technology, Professor Vytras K.	2015-2016
12.	Project CEEPUS – <i>Education of Modern Analytical and Bioanalytical Methods</i> CIII-CZ-0212-09-1415 Coordonator – University of Pardubice, Department of Analytical Chemistry, Faculty of Chemical Technology, Professor Vytras K.	2014-2015
13.	Project CEEPUS – <i>Education of Modern Analytical and Bioanalytical Methods</i> – CIII-CZ-0212-05-1112 Coordonator – University of Pardubice, Department of Analytical Chemistry, Faculty of Chemical Technology, Professor Vytras K. Principalele publicatii <ul style="list-style-type: none"> • Badea M., Pascu A.M., Nicolae R.A., Taus N., Nunes G.S., Moga M.A., <i>Possible errors in electrochemical detection of blood glucose</i>, In Sensing in Electroanalysis, Vol. 8 (K. Kalcher, R. Metelka, I. Švancara, K. Vytřas; Eds.), pp. 115–123. 2013/2014 University Press Centre, Pardubice, Czech Republic, ISBN 978-80-7395-782-7 (print); ISBN 978-80-7395-783-4 (pdf); http://dSPACE.upce.cz/browse?type=author&order=ASC&rpp=20&value=Badea%2C+Mihaela • Badea M., Veregut V., Popescu B., Popovici B., Mitrica M., Neica L., Nunes G.S., Moga M., <i>Probiotics in medicine and methods with electrochemical detection</i>, In Sensing in Electroanalysis, Vol. 8 (K. Kalcher, R. Metelka, I. Švancara, K. Vytřas; Eds.), pp. 125–132. 2013/2014 University Press Centre, Pardubice, Czech Republic, ISBN 978-80-7395-782-7 (print); ISBN 978-80-7395-783-4 (pdf); http://dSPACE.upce.cz/browse?type=author&order=ASC&rpp=20&value=Badea%2C+Mihaela 	2011-2012
14.	Project CEEPUS – <i>Education of Modern Analytical and Bioanalytical Methods</i> ; CII-CZ-0212-02-1011 Coordonator – University of Pardubice, Department of Analytical Chemistry, Faculty of Chemical Technology, Professor Vytras K. Principalele publicatii <ul style="list-style-type: none"> • Badea M., Idomir M., Florescu M., Rogozea L., <i>Electrochemical sensing in telemedicine (A Review)</i>, in Sensing in Electroanalysis, Vol. 6 (K. Kalcher, R. Metelka, I. Švancara, K. Vytřas; Eds.), pp. 149-156, 2011, University Press Centre, Pardubice, Czech Republic. ISBN 978-80-7395-434-5 (printed); ISBN 978-80-7395-435-2 (on-line); http://dSPACE.upce.cz/browse?type=author&order=ASC&rpp=20&value=Badea%2C+Mihaela 	2010-2011
15.	Project CEEPUS – <i>Education of Modern Analytical and Bioanalytical Methods</i> ; CII-CZ-0212-02-0910- Coordonator – University of Pardubice, Department of Analytical Chemistry, Faculty of Chemical Technology, Professor Vytras K. Principalele publicatii <ul style="list-style-type: none"> • Badea M., Florescu M., Coman Gh., Chesca A., Marty J.L., <i>Comparative studies for pollutants detection using electrochemical sensors and enzyme-based biosensors</i>, in Sensing in Electroanalysis, vol.4, Karel Vytras, Kurt Kalcher, Ivan Svancara (Eds.), Ed. University of Pardubice, Pardubice, 2009, p.165-180; ISBN 978-80-7395-212-9 http://dSPACE.upce.cz/browse?type=author&order=ASC&rpp=20&value=Badea%2C+Mihaela • Badea M., Florescu M., Coman Gh., Taus N., Marty J.L., <i>Characterization of electrochemical sensors and enzymatic methods used for ascorbic acid detection</i>, in Sensing in Electroanalysis, vol.4, Karel 	2009-2010

	Vytras, Kurt Kalcher, Ivan Svancara (Eds.), Ed. University of Pardubice, Pardubice, 2009, p.155-164; ISBN 978-80-7395-212-9 http://dspace.upce.cz/browse?type=author&order=ASC&rpp=20&value=Badea%2C+Mihaela	
16.	Project CEEPUS – <i>Education of Modern Analytical and Bioanalytical Methods</i> ; CII-CZ-0212-02-0809 – Coordonator – University of Pardubice, Department of Analytical Chemistry, Faculty of Chemical Technology, Professor Vytras K.	2008-2009
17.	Program CEEPUS – <i>New technologies in the undergraduate and postgraduate education of medical biochemist</i> – CII-HR-0045-01-0506 Coordonator: University of Zagreb Faculty of Pharmacy and Biochemistry, Department of Medical Biochemistry and Hematology, Prof. Juretic D. Principalele publicatii – rezumate in Abstract Book of CEEPUS Summer School	2005-2006
18.	Program CEEPUS – <i>New technologies in the undergraduate and postgraduate education of medical biochemist</i> – CII-HR-0045-02-0607 Coordonator: University of Zagreb Faculty of Pharmacy and Biochemistry, Department of Medical Biochemistry and Hematology, Prof. Juretic D. Principalele publicatii – rezumate in Abstract Book of CEEPUS Summer School	2006-2007
19.	Program CEEPUS – <i>New technologies in the undergraduate and postgraduate education of medical biochemist</i> – CII-HR-0045-03-0708 Coordonator: University of Zagreb Faculty of Pharmacy and Biochemistry, Department of Medical Biochemistry and Hematology, Prof. Barisic K.	2007-2008

- 3 proiecte internationale de cercetare – membru in echipa de cercetare

	Program/Proiect	Perioada
1.	Research Project funded by Balkan Environmental Association (B.EN.A.) COSMOTE nr. 53/2008 - <i>Setting-out and validation of patterns of normality and abnormality in premature birth imminence through advanced analization of acoustical signals</i> Coordonator Moga M., Universitatea Transilvania din Brasov Valoare – 1000 lei/222.22 euro	Nov.2008 - Febr 2009
2.	Research Project funded by Balkan Environmental Association (B.EN.A.) COSMOTE nr. 51/2008 - <i>Setting-out and validation of patterns of normality and abnormality in premature birth imminence through advanced analization of acoustical signals</i> Coordonator Moga M., Universitatea Transilvania din Brasov Valoare 2500 lei/555.55 euro	April – Nov. 2008
3.	NIDDK grant "Human Requirement for the Nutrient Choline" UNC acct#5-33512, University of North Carolina at Chapel Hill, School of Public Health and School of Medicine, Dept. of Nutrition, Chapel Hill, NC, USA Functia - Research Assistant- Research Scholar	nov. 2001- febr. 2003

- 7 proiecte nationale de cercetare – membru UTBV

	Program/Proiect	Perioada
1.	<i>Funcționalizarea inteligentă a suprafeței implanturilor de titan și oțel inoxidabi</i> Contract nr 146PED/2017 Finantator UEFISCDI- PED Director proiect Conf dr Floroian Laura (Facultatea de IESC, Universitatea Transilvania din Brasov) Valoare – 600000 lei https://uefiscdi.ro/preview.php?id=415&wtok=7ecde7221da4be719056e93abf252ba4279bc0b6&wtkps=XY1BCglxDEXvkrVg00zaTHqHQfAERlHUESoMAvx7k7rQnSVkP/fS9aoz6qssD4u1wppURoJRwqpKinUxaBtXmEQH3LMzGU2zIKC2WAUZDi7Utg1kOFpc2tzhE+ipN1rXDLo4LZ/XY47ik6L14cSwc28nvZeUQmRELqVu7U9MegU/gtbm/XGdKUXm8=&wchk=1b90d462324e99ebf99de2d6b99c41dc8713e9ab	2017-2018
2.	<i>Endotipurile astmului non-eozinofilic la adult</i> Contract nr 295/2015 PN-II-RU-TE-2014-4-2303 Finantator UEFISCDI- Proiecte pentru constituirea tinerelor echipe de cercetare Director proiect Conf dr Agache I. (Facultatea de Medicina, Universitatea Transilvania din Brasov) Valoare 293693 http://old.uefiscdi.ro/userfiles/file/PN%20II_RU_TE%202014/DESHIDERE%20FINANCIARA%202016/T_E_2014_derulare%202016.pdf	2015-2017

3.	Institut de Cercetare Dezvoltare Inovare: <i>Produse High-Tech pentru Dezvoltare Durabila</i> , PRO-DD finantator: ANCS, Guv. Romaniei, UTBV nr ctr: POSCCE-A2-O2.2.1-2007-1 + Capacitati-I-2007- 2/ Contract 11/2009 Valoare grant – 84000000 lei	2009-2013
4.	Proiect ANCS – <i>Conferinta Internationala Impact of Environmental Pollution on Public Health</i> Contract 10177/01.07.2008, coordonator – conf. Dr. Moga M.	2008
5.	PNCDI 2008 – Parteneriate Projects – <i>Bioacumularea metalelor grele in lantul sol-legume-om-BIOMEG</i> nr. CNMP 2386 – 52-144/16.09.2008 Coordonator Conf.dr. Varga C., Universitatea de Nord, Baia Mare Coordonator UTBV – Conf. dr. Moga M.A. Valoare proiect – 1900000 lei Valoare UTBV – 50000 lei http://www.unitbv.ro/bmp/ProiecteUTBV/Proiectenationale.aspx	2008-2010- 2012??
6.	Contract CNCISIS: <i>Cercetari privind posibilitatile de recuperare si valorificare superioara a deseurilor menajere din municipiul Brasov, prin compostare</i> Coordonator – Prof. Dr. Dumitrescu L., Universitatea Transilvania din Brasov - Contract nr. 33369/2004, Tema 15 Cod CNCISIS – 602/2004 - Contractul nr 33253 /25. 06. 2003, Tema 5, Cod CNCISIS – 602/2003, - Contractul nr. 33 459/17. 07. 2002, Tema 6, Cod CNCISIS -658/2002	2002-2004
7.	Contract CNCISIS/CNCISU: <i>Studiul imunochimic al unor compusi de sinteza organici, metaboliti si al unor poluanti ai mediului</i> Coordonator – Prof. Dr. Coman Gh., Universitatea Transilvania din Brasov - Contract tip A, nr. 3993/2000, Tema nr. 21, Cod CNCISIS 788/2000; valoare – 11850000 lei - Contract tip A, Tema nr. 5, Cod CNCISIS 8/1999; valoare - 11850000 lei - Contract tip A, Tema nr. 12, Cod CNCISIS 61/1998; valoare – 10000000 lei	1998-2000

• 4 proiecte de cercetare obtinute prin competitie, încheiate direct cu entități din țară – membru UTBV

	Programul/ Proiectul	Perioada
1.	<i>Investigarea geografica a determinismului methemoglobinei materne cauza a complicatiilor acute materno-fetale</i> finantator: SC MEDLIFE SA; nrctr: 8833/25.07.2014 director proiect Prof dr Moga M. Valoare – 22145 lei http://portal.unitbv.ro/Default.aspx?tabid=348 , https://www.medlife.ro/grant-cercetare	2014-2016
2.	<i>Studiul fitoestrogenilor și a altor extracte din plante utilizate în menopauză și în tulburările asociate acesteia</i> finantator: DACIA PLANT; nr ctr: 16830/23.12.2004 Coordonator Conf. dr. Dima L. Valoare – 22193 lei http://portal.unitbv.ro/Default.aspx?tabid=348	2014-2016
3.	<i>Elaborarea unui plan strategic privind optimizarea activitatii in departamentul de microbiologie in concordanta cu normele si recomandarile europene</i> finantator: Kronmedica; nrctr: 16/2007 Valoare – 22193 lei Director conf. Dr. Idomir M.	2007-2008
4.	Proiect de colaborare finantat de Consiliul Judetean Brasov pentru organizarea Conferinței Internaționale <i>New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences</i> , NT SMT-LS 2014, 24-26 iulie 2014, Brasov contract nr 3913/14.05.2014 Valoare 6000 lei coordonator – conf. dr Moga M.	2014

• 10 proiecte internationale educationale – membru UTBV

	Program/Proiect	Perioada
1.	Erasmus Intensive Programme – <i>Classic and modern methods for molecular diagnostics in human pathology</i> 10 EIP-RO-BRASOV01 Coordonator – Lecturer dr Chesca A. Publicatii - Badea M. , <i>Immunoassay - Past and Future Trends in Human Diagnosis</i> , in Diagnostic Methods in Human Pathology, Edited by Chesca A., Transilvania University Press, Brasov, 2012, pg 97-110, ISBN 978-606-19-0059-6	2010-2011
2.	Proiect Leonardo da Vinci – <i>Formare formatori în domeniul alergenilor alimentari</i> -LdV/VETPRO/2009/RO/124 Promotor: Asociația Societatea Română de Etnofarmacologie (SRE) Director proiect: Prof.univ.dr. Mărculescu A. – președinte SRE	2009-2010
3.	Project CEEPUS – Developing a network for monitoring the impact of environmental and nutritional factors on fertility and neonatal health – CII-RO-0313-01-0809 – Coordonator –Universitatea Transilvania din Brasov, Facultatea de Medicina, Conf. Dr. Moga M.	2008-2009
4.	Project CEEPUS – PL-130-05/06 – <i>Education in separation and identification of organic xenobiotics in environmental samples and food product</i> – CII-PL-0004-04-0809 Coordonator ,Nicolaus Copernicus' University in Torun; Department of Environmental Chemistry and Bioanalytics; Prof.dr Buszewski B.	2008-2009
5.	Project Leonardo da Vinci – Mobilities, Nr. RO/2006/97125/EX: <i>Experience exchange in formators formation in mental health</i> (Schimb de experienta în formarea de formatori în Promovarea Sanatatii în Sanatate Mentala) Coordonator – Prof. Dr. Rogozea L., Universitatea Transilvania din Brasov	2006-2007
6.	Program SOCRATES/ERASMUS – PROG/MOD, <i>Bioanalytical Methods – Linking Environmental Protection and Public Health</i> Coordonator – Prof. Dr. Coman Gh., Universitatea Transilvania din Brasov Parteneri – Delft University of Technology, Olanda; Universite de Perpignan, Franța, Universita degli Studi di Bologna, Italia, Katholieke Hogeschool Zuid-West-Vlaanderen, Belgia, Universita di Milano, Italia, Politehnika Nova Gorica, Slovenia, Universitatea Bucuresti, Romania 51388-IC-1-2001-1-RO-ERASMUS-PROG-3 Valoare – 20000 euro http://www.unitbv.ro/bmp/ProiecteUTBv/Proiecteinternationale/Arhivainternationale.aspx	2002-2003
7.	Program SOCRATES/ERASMUS – PROG/MOD, <i>Bioanalytical Methods – Linking Environmental Protection and Public Health</i> Coordonator – Prof. Dr. Coman Gh., Universitatea Transilvania din Brasov Parteneri – Universite de Perpignan, Franța; Delft University of Technology, Olanda; Universita degli Studi di Bologna, Italia, Katholieke Hogeschool Zuid-West-Vlaanderen, Belgia, Universita di Milano, Italia, Politehnika Nova Gorica, Slovenia, Universitatea Bucuresti, Romania 51388-IC-2-2002-1-RO-ERASMUS-MODUC-3 Valoare 20000 euro http://www.unitbv.ro/bmp/ProiecteUTBv/Proiecteinternationale/Arhivainternationale.aspx	2003-2004
8.	Program SOCRATES/ERASMUS: Curricula Development project (DISS): <i>Management of the Chemical Investigations in Environmental Protection</i> – Coordonator – Conf. Dr. Draghici C., Universitatea Transilvania din Brasov 51388-IC-1-2002-1-RO-ERASMUS-DISSUC-1 finantator:Erasmus Valoare – 74910 euro	2003-2004
9.	Management of the Chemical Investigations in Environment Protection 51388-IC-3-2001-1-RO-ERASMUS-PROG-1 Coordonator – Conf. Dr. Draghici C., Universitatea Transilvania din Brasov finantator:Erasmus Valoare – 25100 euro	2002-2003
10.	Management of the Chemical Investigations in Environment Protection 51388-IC-2-2000-1-RO-ERASMUS-PROG-1 Coordonator – Conf. Dr. Draghici C., Universitatea Transilvania din Brasov finantator:Erasmus	2001-2002

- 1 proiect national POSDRU educational– membru UTBV

Program/Proiect	Perioada
Cresterea capacității de integrare pe piata muncii a studentilor si absolventilor prin consiliere si plasamente practice; POSDRU/160/2.1/S/133020;	2014-2015

Mihaela Badea
16.08.2017

A. Lista celor 10 lucrări relevante pentru realizările profesionale proprii

- A.1. **Badea M.**, Floroian L. (Editori), *New trends in monitoring and diagnosis for health sciences*, Editura: LAP Lambert Academic Publishing, OmniScriptum GmbH&Co.KG, 2015, Saarbrücken, Germania, ISBN 978-3-659-7699-1
<https://www.morebooks.de/store/gb/book/new-trends-on-monitoring-and-diagnosis-for-health-sciences/isbn/978-3-659-77699-1>
- A.2. **Badea M.**, Rogozea L., Marty J.L. (Editori), *Telemonitoring and Telediagnostic for Life Sciences*, Ed Lux Libris, Brasov, 2013, 222 pg., ISBN 978-973-131-231-6
- A.3. **Badea M.**, Rogozea L., Idomir M., Taus N., Balaban D.P., Marty J.L., Noguer T., Nunes G.S., *Biosensors for Life Sciences*, in "Environmental Technologies. New Developments", Edited by Burcu Ozkaraova Gungor, I-Tech Education and Publishing, Viena, pg. 1-24, 2007, ISBN 978-3-902613-10-3
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<http://dspace.upce.cz/browse?type=author&order=ASC&rpp=20&value=Badea%2C+Mihaela>
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- Coordonator științific: Prof. Dr. Simion Gocan

C. Brevete de invenție și alte titluri de proprietate industrială

- Titlul – *Procedeu de functionalizare a suprafetei implanturilor utilizând nanocompozitii cu proprietati complementare*
- Cerere de brevet de inventie nr a2015 00981 – cu data de deposit 08/12/2015
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(54) **PROCEDEU DE FUNCȚIONALIZARE A SUPRAFETEI IMPLANTURILOR UTILIZÂND NANOCOMPOZIȚII CU PROPRIETĂȚI COMPLEMENTARE**



Rezumat publicat în BOPI 4/2016 – Secţiunea Inventii & Espacenet 2016
CBI A00981/08.12.15 (BI RO 131045 A0)

Solicitant CBI: UNIVERSITATEA "TRANSILVANIA" DIN BRAŞOV, RO
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Titlul CBI: „Procedeu de funcţionalizare a suprafeţei implanturilor utilizând nanocompoziţii cu proprietăţi complementare”

C10M RO-BOPI 4/2016, din 29.04.2016

(11) 131045 A0 (51) C12C 14/18 (2013.01) C12C 14/22 (2013.01) C12C 14/24 (2013.01) A61C 8/00 (2013.01) (71) 1 UNIVERSITATEA "TRANSILVANIA" DIN BRAŞOV, RO (72) FLOROIAN LĂURA, FLOROIAN DAN-ION, BADEA MIHAELA, SAMOILĂ CORNEL, FLOROIAN DAN-ION (73) INSTITUTUL NAȚIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICĂ LAȘIȘOR, FLĂIȘOR (74) FLOROIAN LĂURA, STR. PIATA GEORGE ENESCU NR. 4, AP. 4, BRAŞOV, RO; BADEA MIHAELA, STR. HÂRMANULUI NR. 162, AP. 2, BRAŞOV, RO; SAMOILĂ CORNEL, STR. MENDRAGANULUI NR. 8, BRAŞOV, RO; FLOROIAN DAN-ION, STR. PIATA GEORGE ENESCU NR. 4, AP. 4, BRAŞOV, RO; RISTOSCU CARMEN-GEORGETA, STR. FIZICIENILOR NR. 28, BL. 65, SC. 1, AP. 4, MĂGURELE, RO; MIHĂILESCU NATALIA, STR. FIZICIENILOR NR. 10, BL. 65, SC. 1, AP. 9, MĂGURELE, RO; NEUȘ IRINA, GABRIELA-IRINA, ALEXA POȘADA NR. 4, BL. 22, SC. 2, AP. 20, SECTOR 8, BUCUREȘTI, RO; MIHĂILESCU ION, STR. FIZICIENILOR NR. 10, BL. 65, SC. 1, AP. 9, MĂGURELE, RO (54) PROCEDU DE FUNCȚIONALIZARE A SUPRAFEȚEI IMPLANTURILOR UTILIZÂND NANOCOMPOZIȚII CU PROPRIETĂȚI COMPLEMENTARE (57) Invenția se referă la o structură de implant, la un film nanocompozit de acoperire și la un procedeu de

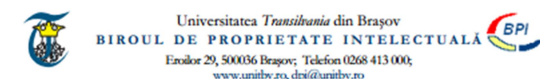
(11) 131045 A0
Receptivitatea a suprafetei implantului, domeniul de utilizare fiind cel al medicilor. Structura de implant, conform invenției, este constituită dintr-un film subțire, compus dintr-un amestec de sticlă bioactivă, polimer biocompatibil și un amestec cu spectru larg, după prin expunerea cu sursă laser de pulsat pe un substrat de epil amestecabil, de tipul 1142, cu un amestec de compoziție chimică, exprimată în procente în greutate: 0,01% 0,05% P, 0,001, 1,7% Mo, 0,1-0,7% Si, 0,019, 0,009% P, 0,000, 0,009% S, 16,50, 17,0% Ca, 10,02, 10,7% Na, 2,00, 2,09% Mg, 0,033, 0,000% N, 0,11, 0,44% Cu și 0,01, 0,08 Cu, care au un pH de epil amestecabil. Filmul conform invenției are următoarea compoziție: a) 55,5% SiO₂, 11% Na₂O, 5% K₂O, 13% CaO, 2,5% MgO, 0,5% P₂O₅, dar și alte componente; b) polimer biocompatibil, care poate fi polimerizat de mari sau mici dimensiuni, p.e. un amestec cu spectru larg, care poate fi disacrilat, glicidic, metacrilat sau altele asemenea. Procedul conform invenției are loc într-o succesiune (1) din epil amestecabil, perlită cu două pompe (2) de apă o rășină biocompatibilă (3), o țesătură (4) elastică de tipul, cu dimensiuni de 30 cm, pentru focalizarea disacrilatului, și are următoarele etape: a) pregătirea substratului (5) de epil amestecabil, prin polimerizare a gelului de disacrilat, care este în buclă de sodiu timp de 10-30 min, la 75°C, timp în care se încălzește la 85°C, și este pus într-o baie cu ultrasunete.

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b) pregătirea puzii (6) de depunere prin pulverizare a 0,4% sticlă bioactivă, 5% polimer, 0,25% amestec și 19,3 ml solvent, amestecul fiind turnat într-un recipient de ceram și lăsat la 77°C, timp de 10 min; c) depunerea filmului cu ajutorul disacrilatului biocompatibil, plasat la o distanță de 4 cm față de substrat.

Rezumatele: 3
Figuri: 1

1/2

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Espacenet Patent search

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PROCESS FOR FUNCTIONALIZATION OF IMPLANTS SURFACE BY USING NANOCOMPOSITIONS WITH COMPLEMENTARY PROPERTIES

Page bookmark: RO131045 (A0) - PROCESS FOR FUNCTIONALIZATION OF IMPLANTS SURFACE BY USING NANOCOMPOSITIONS WITH COMPLEMENTARY PROPERTIES

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