



Europass Curriculum vitae



Informații personale

Nume / Prenume

Madalina Georgiana Albu Kaya

Experiența profesională

Perioada

Decembrie 2023 - prezent

Funcția sau postul ocupat

Vicepresedintele Consiliului Stiintific al INCDTP

Perioada

1 februarie 2018 - prezent

Funcția sau postul ocupat

Cercetator Stiintific Gradul I

Perioada

2014 - 2018

Funcția sau postul ocupat

Cercetator Stiintific Gradul II

Perioada

2011 - 2017

Funcția sau postul ocupat

Sef Departament Cercetare Colagen si Sef Statie Productie Colagen

Secretarul Consiliului Stiintific al INCDTP (2011-2017)

Perioada

2007 - 2011

Funcția sau postul ocupat

Loctiitor Sef Departament Colagen

Perioada

2006 – 2013

Funcția sau postul ocupat

Cercetator Stiintific Gradul III

Perioada

2001-2006

Funcția sau postul ocupat

Chimist, doctorand

Activități și responsabilități principale

- Obținerea colagenului in diferite forme: gel / hidrogel, membrane, matrici, tuburi, hidrolizate utilizate in medicina, farmacie, stomatologie si cosmetica;
- Caracterizare fizico-chimica si fizico-mecanica, morfologica, microbiologica a gelurilor si matricilor;
- Certificare si notificare dispozitive medicale si produce cosmetice;
- Colaborari cu specialistii din domenii complementare;

Numele și adresa angajatorului	<ul style="list-style-type: none"> ▪ Director, responsabil sau membru in echipele de cercetare a numeroase proiecte nationale si internationale. <p>Institutul National de Cercetare-Dezvoltare pentru Textile si Pielarie Bucuresti, Sucursala Institutul de Cercetare Pielarie Incaltaminte, Departament Colagen Str. IonMinulescu,nr. 93, 031215,sector3,Bucuresti,Romania</p>
Tipul activității sau sectorul de activitate	Cercetare, dezvoltare, inovare, productie, comercializare Biomateriale pe baza de colagen
Educatie si formare Studii	
Perioada Calificarea / diploma obținută	2013 (aprilie – mai – 35 zile) Schimb de experineta pentru cercetatori suportat de Societatea Japoneza pentru Promovarea Stiintei- JSPS (Japan Society for Promotion of Science) - NASR Researcher Exchange Program Rezonanta magnetica nucleara (RMN) a biomaterialelor colagenice
Disciplinele principale studiate / competențe profesionale dobândite Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea din Osaka, Japonia, Institutul de Cercetarea Proteinelor, Departamentul de Biologia Structurala a Proteinelor, Laboratorul de Biofizica Moleculara (Prof. Fujiwara Lab)
Perioada Calificarea / diploma obținută	Ianuarie – Decembrie 2011 (un an) Postdoctorat in Biotehnologii
Disciplinele principale studiate / competențe profesionale dobândite Numele și tipul instituției de învățământ / furnizorului de formare	Proiect postdoctorat: Suporturi colagenice 3D cu continut de uleiuri esentiale pentru aplicatii terapeutice, training-uri, activitati de cercetare, cursuri, seminarii Universitatea Politehnica Bucuresti, Proiect POSDRU/89/1.5/S/52432 din 2010, Organizarea școlii postdoctorale de interes național "BIOTEHNOLOGII APLICATE" cu impact în bioeconomia românească, proiect cofinanțat de Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007 – 2013."
Perioada Calificarea / diploma obținută	2001 – 2009 (8 ani) Doctor in Chimie
Disciplinele principale studiate / competențe profesionale dobândite Numele și tipul instituției de învățământ / furnizorului de formare	Doctorat in specialitatea Chimie, titlu teza: Geluri si matrici colagenice cu diferite grade de hidratare si structura cvasisolida pentru aplicatii biomedicale Facultatea de Chimie, Universitatea din Bucuresti
Perioada Calificarea / diploma obținută	Octombrie 2000 – Iunie 2002 Diploma de master
Disciplinele principale studiate / competențe profesionale dobândite Numele și tipul instituției de învățământ / furnizorului de formare	Master in specialitatea: Chimie – Fizica si Radiochimie Aplicata Titlu lucrarii de dizertatie: Obtinerea si caracterizarea reologica a unor geluri si matrici colagenice Facultatea de Chimie, Universitatea din Bucuresti
Perioada Calificarea / diploma obținută	Octombrie 1996 – Iunie 2000 Diploma de licenta
Disciplinele principale studiate / competențe profesionale dobândite Numele și tipul instituției de învățământ / furnizorului de formare	Chimie – Fizica, Titlu lucrarea de diploma: Corelarea proprietatilor surfactantilor cu proprietatile detergente Facultatea de Chimie, Universitatea din Bucuresti

Educatie si formare

Cursuri

Perioada	8 -12 aprilie 2024
Calificarea / diploma obținută	Certificat de absolvire
Disciplinele principale studiate / competențe profesionale dobândite	Managementul rezultatelor din Cercetare Dezvoltare
Numele și tipul instituției de învățământ / furnizorului de formare	IRECSON Bucuresti
Perioada	2 Octombrie 2023 – 30 Ianuarie 2024
Calificarea / diploma obținută	Certificat de absolvire
Disciplinele principale studiate / competențe profesionale dobândite	Medical Device Regulations
Numele și tipul instituției de învățământ / furnizorului de formare	UDEMY
Perioada	28 iunie – 28 septembrie 2023
Calificarea / diploma obținută	Certificat de absolvire
Disciplinele principale studiate / competențe profesionale dobândite	Management Skills - Team Leadership Skills Masterclass
Numele și tipul instituției de învățământ / furnizorului de formare	UDEMY
Perioada	1 martie – 24 aprilie 2023
Calificarea / diploma obținută	Certificat de absolvire
Disciplinele principale studiate / competențe profesionale dobândite	Medical Device Regulation 2017/745 EU regulatory affairs
Numele și tipul instituției de învățământ / furnizorului de formare	UDEMY
Perioada	6-17 februarie 2023
Calificarea / diploma obținută	Certificat de absolvire, 100 puncte
Disciplinele principale studiate / competențe profesionale dobândite	Introduction to working in Medical device Industry
Numele și tipul instituției de învățământ / furnizorului de formare	Medical device HQ, GANTUS AB
Perioada	Octombrie - noiembrie 2012 (2 saptamani)
Calificarea / diploma obținută	Certificat de absolvire
Disciplinele principale studiate / competențe profesionale dobândite	Broker de tehnologii – Cursuri in cadrul proiectului “Program de dezvoltare a resurselor umane din cadrul entităților Rețelei Naționale pentru Inovare și Transfer Tehnologic (ReNITT) în domeniul managementului în vederea eficientizării procesului de transfer tehnologic”.
Numele și tipul instituției de învățământ / furnizorului de formare	IRECSON Bucuresti
Perioada	Noiembrie 2011 (o luna)
Calificarea / diploma obținută	Postdoctorat in Biotehnologii
Disciplinele principale studiate / competențe profesionale dobândite	Stagiu postdoctorat – activitati de cercetare
Numele și tipul instituției de învățământ / furnizorului de formare	Grupul pentru Cercetarea Avansata a Biomaterialelor, Universitatea de Tehnologie Chimica si Metalurgie, Sofia, Bulgaria (Prof. DSc Todorka Vladkova)

Perioada
Calificarea / diploma obținută
Disciplinele principale studiate /
competențe profesionale dobândite

Numele și tipul instituției de
învățământ / furnizorului de formare

Ianuarie – martie 2011 (3 luni)

Certificate de absolvire

Cursuri in cadrul programului postdoctoral POSDRU/89/1.5/S/52432

- Tehnici informatice aplicate in biotehnologii;
- Brevetarea rezultatelor si proprietate intelectuala;
- Managementul cercetarii avansate;
- Biotehnologii inovatoare: tehnici si metodologii;
- Aspecte de bioetica;
- Cultura antreprenoriala in biotehnologie.

Universitatea Politehnica Bucuresti, Proiect POSDRU/89/1.5/S/52432 din 2010, Organizarea școlii postdoctorale de interes național "BIOTEHNOLOGII APLICATE" cu impact în bioeconomia românească, proiect cofinantat de Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007 – 2013."

Perioada
Calificarea / diploma obținută
Disciplinele principale studiate /
competențe profesionale dobândite

Numele și tipul instituției de
învățământ / furnizorului de formare

Iunie 2008 (o saptamana)

Certificat de absolvire

9thAdvanced Summer Course in Cell-Material Interactions – Bioinspired matrices for tissue regeneration

Institutul pentru Biologie Celulara si Moleculara (IBMC) / Instituto de Engenharia Biomédica-Associate Laroratory, Porto, Portugalia

Perioada
Calificarea / diploma obținută
Disciplinele principale studiate /
competențe profesionale dobândite

Numele și tipul instituției de
învățământ / furnizorului de formare

Iunie 2006(3 saptamani)

Certificat de absolvire

Managementul proiectelor de Cercetare Dezvoltare

Academia deȘtiințe Economice, Bucuresti

Perioada
Calificarea / diploma obținută
Disciplinele principale studiate /
competențe profesionale dobândite

Numele și tipul instituției de
învățământ / furnizorului de formare

Septembrie – Noiembrie 2006 (3 luni)

Certificat de absolvire

Curs intensiv de Engleza

SC PICON SA Perfectionare – Informatica - Consultanta, Bucuresti

Perioada
Calificarea / diploma obținută
Disciplinele principale studiate /
competențe profesionale dobândite

Numele și tipul instituției de
învățământ / furnizorului de formare

Mai - Iunie 2001(6 saptamani)

Certificat de absolvire

Instruire si asistenta pentru ingineria proiectelor

Academia deȘtiințe Economice, Bucuresti Universitatea Politehnica din Bucuresti

Activitate didactica

Perioada
Activitate desfasurata
Numele și tipul instituției de
învățământ participant la instruire /
participanti

24 iulie – 11 august 2023 (3 saptamni)

Pregatire profesionala / Tutore stagiu de practica

Leather Department, Izmir, Turcia Pregatire profesionala in cadrul programului Erasmus
1 doctorand

Perioada	24 iulie – 18 august 2023 (4 saptamani)
Activitate desfasurata	Pregatire profesionala / Tutore stagiu de practica
Numele și tipul instituției de învățământ participant la instruire / participanti	Eskisehir Tehnical University, Industrial Engineering Faculty, Eskisehir, Turcia Pregatire profesionala – practica industrială, 1 student
Perioada	1 octombrie 2022 – 30 septembrie 2023 (1 an)
Activitate desfasurata	Pregatire profesionala / Tutore stagiu de practica
Numele și tipul instituției de învățământ participant la instruire / participanti	Universitatea Politehnica București, Proiectul cu titlul „Pregătirea doctoranzilor și cercetătorilor poStdctorat în vederea dobândirii de coMPetente de cercetARE aplicaTivă - SMART”, Cod SMIS: 153734 - 2 doctoranzi
Perioada	19.06.2017-8.09.2017 (3 luni)
Activitate desfasurata	Pregatire profesionala / Tutore stagiu de practica
Numele și tipul instituției de învățământ participant la instruire / participanti	Universitatea Politehnica București, Facultatea Inginerie Medicală, anul III, specializarea Biomateriale și Dispozitive Medicale, grupa 1431 – 5 studenți Universitatea Politehnica din Bucuresti, Facultatea Chimie Aplicata si Stiinta Materialelor, anul III, seria SIPOL – 1 student
Perioada	20.06.2016-10.09.2016 (3 luni)
Activitate desfasurata	Pregatire profesionala / Tutore stagiu de practica
Numele și tipul instituției de învățământ participant la instruire / participanti	Universitatea Politehnica București, Facultatea Inginerie Medicală, anul III, specializarea Biomateriale și Dispozitive Medicale, grupa 1431 – 4 studenți
Perioada	22.06.2015 – 11.09.2015 (3 luni)
Activitate desfasurata	Pregatire profesionala / Tutore stagiu de practica
Numele și tipul instituției de învățământ participant la instruire / participanti	Universitatea Politehnica din București, Facultatea de Inginerie Medicală, anul III, grupa 1432 – 4 studenți Ege University, Leather Department, Izmir, Turcia Pregatire profesionala in cadrul programului Erasmus – 1 student
Perioada	16.06.2014 – 29.08.2014 (3 luni)
Activitate desfasurata	Pregatire profesionala / Tutore stagiu de practica
Numele și tipul instituției de învățământ participant la instruire / participanti	Universitatea Politehnica din București, Facultatea de Inginerie Medicală, anul III, grupa 1431 A – 3 studenți, Facultatea Chimie Aplicata si Stiinta Materialelor, anul III, seria SIPOL – 5 studenți Ege University, Leather Department, Izmir, Turcia Pregatire profesionala in cadrul programului Erasmus – 2 studenți
Perioada	17 iunie – 6 septembrie 2013 (3 luni)
Activitate desfasurata	Pregatire profesionala / Tutore stagiu de practica
Numele și tipul instituției de învățământ participant la instruire / participanti	Universitatea Politehnica Bucuresti, Facultatea de Chimie Aplicata si Stiinta Materialelor, seria A, grupa 1131 – 4 studenți
Perioada	30 mai – 12 iunie 2013 (2 saptamani)
Activitate desfasurata	Pregatire profesionala / Tutore stagiu de practica
Numele și tipul instituției de învățământ participant la instruire / participanti	Universitatea Politehnica Bucuresti, Facultatea de Chimie Aplicata si Stiinta Materialelor, Master Stiinta si Ingineria Polimerilor, anul II – 1 student
Perioada	4 – 8 martie 2013 (o saptamana)
Activitate desfasurata	Pregatire profesionala in cadrul programului Erasmus

Numele și tipul instituției de învățământ participant la instruire / participanți

Technological Educational Institute of Athens, Department of Conservation of Antiquities and Works of Art

Perioada

2013– 2014 (1 an)

Activitate desfasurata

Coordonator in cotelula lucrare de master

Numele și tipul instituției de învățământ participant la instruire / participanți

Ege University, Leather Department, Izmir, Turcia
Masterand: Cemile Ceren Tosun

Perioada

Iulie – octombrie 2012 (3 luni)

Activitate desfasurata

Pregatire profesionala in cadrul programului Erasmus

Numele și tipul instituției de învățământ participant la instruire / participanți

Ege University, Leather Department, Izmir, Turcia
Masterand: Cemile Ceren Tosun

Perioada

3 iunie – 24 august 2012 (12 saptamani)

Activitate desfasurata

Pregatire profesionala / Tutore stagiu de practica

Numele și tipul instituției de învățământ participant la instruire / participanți

Universitatea Politehnica Bucuresti, Facultatea de Chimie Aplicata si Stiinta Materialelor, seria A, grupa 1131 – 3 studenti

Perioada

iunie – septembrie 2011

Activitate desfasurata

Pregatire profesionala / Tutore stagiu de practica

Numele și tipul instituției de învățământ participant la instruire / participanți

Universitatea Politehnica Bucuresti, Facultatea de Chimie Aplicata si Stiinta Materialelor, seria A, grupa 1131 – 5 studenti

Perioada

5 – 23 iulie 2010

Activitate desfasurata

Pregatire profesionala / Tutore stagiu de practica

Numele și tipul instituției de învățământ participant la instruire / participanți

Universitatea Politehnica Bucuresti, Facultatea de Stiinta si Ingineria Materialelor, Specializarea Ingineriei Medicala, din anul II si III - 65 studenti

Perioada

2009 - prezent

Activitate desfasurata

Suport tehnic in realizarea lucrarilor de diploma

Numele și tipul instituției de învățământ participant la instruire / participanți

Universitatea de Medicina si Farmacie „Carol Davila”, Fcaultatea de Farmacie – 7 studenti, din care 3 au primit premii si mentiuni la sesiunile de comunicari studentesti

Aptitudini și competențe personale

Limba maternă

Romana

Limbi străine cunoscute

Autoevaluare

Nivelul european

Intelegere		Vorbire		Scriere Exprimare scrisa
Ascultare	Citire	Participare la conversatie	Discurs oral	

Engleza
Franceza

C2	C2	C2	C2	C2
B1	B1	B1	B1	B1

()CommonEuropeanFrameworkofReference(CEF)level*

Competențe și abilități sociale

- Responsabilitate, corectitudine și încredere în sine
- Capacitatea de a stabili și a menține relații bune de colaborare cu cercetători din diferite instituții
- Capacitate de rezolvare a problemelor
- Creativitate, ambiție, punctualitate
- Adaptarea la munca în echipă

Competențe și aptitudini organizatorice

- Experiența în managementul și logistica proiectelor de cercetare, atât ca director, responsabil și lider de pachete de lucru

Competențe și aptitudini tehnice

- Experiența în domeniul biomaterialelor
- Obținerea colagenului în diferite forme de gel, hidrogel, membrane, matrici, pudre, tuburi;
 - Tehnici de liofilizare;
 - Obținerea biomaterialelor compozite pe baza de colagen și alți polimeri naturali sau sintetici, medicamente, ceramici, extracte;
 - Caracterizarea reologică a gelurilor / hidrogelurilor de colagen;
 - Stabilirea cineticii și mecanismului de eliberare a medicamentelor din suporturi colagenice;
 - Spectroscopie FT-IR, UV-vis-NIR spectroscopy, C¹³ și N¹⁵ RMN;
 - Analize termice DTA/TGA și DSC;
- Competitivitate în munca
- Implicarea în certificarea Managementului Sistemului de Calitate conform SR EN ISO 9001:2008 și SR EN ISO 13485:2016 pentru Stația de Producție Colagen și certificare și recertificarea produse pe baza de colagen, marca CE1868

Competențe și aptitudini de utilizare a calculatorului

- Operare Microsoft Office (Word, Excel, PowerPoint, Outlook), Internet Explorer, Origin, LyoLogLL-1

Competențe și aptitudini artistice

- Autoperfecționare continuă, creativitate
- Participare la Emisiunea **Planeta Radio - știința la ea acasă**, realizator Mihaela Ghita, 16.03.2010, orele 17.00-17.45, la Radio România Cultural
 - Interviuri în cadrul Salonului de Cercetare 2010 de la Romexpo în perioada 6-9 octombrie 2010, la **posturile de radio: Viata Satului și România Actualități, Emisiunile Stiri**.
 - Interviuri și apariții la stiri la PROTV, Antena 1, Kanal D, Money Chanel etc.

Permis de conducere

- Permis de conducere categoria B

Informatii suplimentare

Recenzor la următoarele jurnale internaționale:

- Acta Biomaterialia
- Biomedical materials
- Materials Science and Engineering C
- Polymer Bulletin
- Journal of Biomaterials Applications
- Journal of Tissue Engineering and Regenerative Medicine
- Central European Journal of Chemistry

Evaluator internațional proiecte de cercetare: Czech Science Foundation și Bulgarian National Science Fund, European Commission – HORIZON, European Commission – Accelerator Grant

Citari în SCOPUS: 1968 (fără autocitari), H index – 27, accesat la 26.01.2025

Membri în societăți științifice:

- Societatea Română de Biomateriale (2004 – prezent) – membru în Consiliu Director
- Societatea Română de Reologie (2009 – prezent)

- Anexe**
- Anexa1**–Lista cartilor si capitolelor de carte publicate(**3 carti, 9 capitole carte**)
 - Anexa 2**–Lista articole publicate in reviste ISI internationale (**86**)
 - Anexa3** – Lista articole publicate in reviste ISI nationale (**55**)
 - Anexa 4** – Lista articole publicate in reviste neindexate ISI (**42**)
 - Anexa5** –Lista articole publicate in proceeding-uri ISI ale conferintelor internationale (**13**)
 - Anexa6**–Lista articole publicate in proceeding-uri neindexate ISI (**52**)
 - Anexa 7**–Lista participarilor la manifestari stiintifice internationale (**231**)
 - Anexa8** – Lista participarilor la manifestari stiintifice nationale (**50**)
 - Anexa 9** – Lista proiectelor internationale (**19**)
 - Anexa 10** – Lista proiectelor nationale (**63**)
 - Anexa 11** – Lista brevete (**20**) si cererilor de brevet (**12**)
 - Anexa 12** – Medalii (**55**)
 - Anexa 13** – Premii (**52**)

Lista cartilor si capitolelor de carte publicate

Carti (3)

1. **M.G. Albu**, "Collagen gels and matrices for biomedical applications", Lambert Academic Publishing, Saarbrücken. **2011**. ISBN 978-3-8443-3057-1.
2. V. Trandafir, G. Popescu, **M. G. Albu**, H. Iovu, M. Georgescu, „Bioproduse pe baza de colagen”, Editura Ars Docendi, Bucuresti, **2007**. ISBN: 978-973-558-291-3.
3. M. V. Ghica, L. Popa, C. Dinu-Pîrvu, M. Leca, **M. G. Albu Kaya**, Chimia-fizică a medicamentului. Vol. III Polimeri. Proprietăți fizico-chimice. Aplicații biomedicale, Printech, Bucuresti, **2016**, ISBN 978-606-521-995-3, 978-606-23-0659-5

Capitole de carte (9)

4. **M. G. Albu**, I. Titorencu, M. V. Ghica, Collagen-Based Drug Delivery Systems for Tissue Engineering, Biomaterials Applications for Nanomedicine, Prof. Rosario Pignatello (Ed.), **2011**, ISBN: 978-953-307-661-4, InTech, Available from: <http://www.intechopen.com/books/biomaterialsapplications-for-nanomedicine/collagen-based-drug-delivery-systems-for-tissue-engineering>.
5. I. Titorencu, V. Jinga, **M. G. Albu**, "The future of cardiovascular medicine: Biomaterials for tissue therapy" in "From Vascular Cell Biology to Cardiovascular Medicine", Research Signpost, **2011**. ISBN 978-817-895-503-2.
6. Z. Vuluga, C-G. Potarniche, **M. G. Albu**, V. Trandafir, D. Iordachescu, E. Vasile. Collagen - Modified Layered Silicate Biomaterials for Regenerative Medicine of Bone Tissue, Materials Science and Technology, Prof. Sabar Hutagalung (Ed.) **2012**, ISBN: 978-953-51-0193-2, InTech, Available from: <http://www.intechopen.com/books/materials-science-and-technology/collagenmodified-layered-silicate-biomaterials-for-regenerative-medicine-of-bone-tissue>.
7. I. C. Stancu, A. Lungu, **M. G. Albu**, H. Iovu. Concept and design of polymer scaffolds with controlled biodegradability and porosity for tissue engineering applications in "Advanced biocompatible structures for perspective bioengineering: Concepts and Strategies", The Publishing House of the Romanian Academy, Bucharest, Romania, **2013**. ISBN 978-973-27-2317-3
8. V. Deselnicu, **M. G. Albu**. Collagen functionalisation and system for simulation of leather tanning in „Inovation and competitiveness in leather field”, Agir Publishing House, Bucharest, 2014.
9. **M. G. Albu**. Biomaterials obtained from wet-white waste with cosmetics applications in in „Inovation and competitiveness in leather field”, Agir Publishing House, Bucharest, 2014.
10. I. Antoniac, **M. G. Albu**, A. Antoniac, L. C. Rusu, M. V. Ghica, „Collagen – Bioceramics Smart Composites”, Handbook of Bioceramics and Biocomposites, Springer International Publishing, 2016, pp 301-324, ISBN: 978-3-319-09230-0.
11. Fikai, D., Albu, M. G., Sonmez, M., Fikai, A., Andronescu, E., Advances in the field of soft tissue engineering: From pure regenerative to integrative solutions in "Nanobiomaterials in Soft Tissue Engineering: Applications of Nanobiomaterials", Elsevier, Oxford, 2016, pg. 355-386, doi:10.1016/B978-0-323-42865-1.00017-9.
12. S. Dinescu, **M. Albu Kaya**, L. Chitoiu, S. Ignat, D.A. Kaya, M. Costache, Collagen-Based Hydrogels and Their Applications for Tissue Engineering and Regenerative Medicine in "Cellulose-Based Superabsorbent Hydrogels", Springer International Publishing, 2019, DOI 10.1007/978-3-319-77830-3_54

Lista articole publicate in reviste ISI internationale

1. P. Budrugaec, V. Trandafir, **M. G. Albu**, *The Effect of the Hydration Degree on the Hydrothermal and Thermo-oxidative Stability of some Collageneous Matrices*, Journal of Thermal Analysis and Calorimetry, 72 (2), 2003, 581-585, DOI: 10.1023/A:1024533801497. (FI – 1.953)
2. I. Titorencu, V. Jinga, A. Lungu, V. Trandafir, **M. G. Albu**, I. Rau, H. Iovu, *New Scaffold Structure Based on Collagen Fibrils. Fabrication, Structure Characterization and Biocompatibility Evaluation*, Molecular Crystals and Liquid Crystals, 2008, **486(01)**, 147-156, DOI: 10.1080/15421400801917932. (IF – 0.571)
3. **M. G. Albu**, M. V. Ghica, M. Leca, L. Popa, C. Borlescu, E. Cremenescu, V. Trandafir, *Doxycycline delivery from collagen matrices crosslinked with tannic acid*, Molecular Crystals & Liquid Crystals, 2010, **523**, 97/[669] – 105/[677], DOI: 10.1080/15421401003724159. (IF – 0.532)
4. I. Titorencu, **M. G. Albu**, M. Giurginca, V. Jinga, I. Antoniac, V. Trandafir, C. Cotrut, F. Miculescu, M. Simionescu, *In vitro biocompatibility of human endothelial cells with collagen-doxycycline matrices*, Molecular Crystals & Liquid Crystals, 2010, **523**, 82/[654] – 96/[668], DOI: 10.1080/15421401003724126. (IF – 0.571)
5. M. V. Ghica, **M. G. Albu**, M. Leca, L. Popa, S. Moisescu, *Design and optimization of some collagen-minocycline based hydrogels potentially applicable in infected cutaneous wound healing*, Die Pharmazie, 2011, **66**, 853-861, DOI: 10.1691/ph.2011.1061. (IF = 1.126)
6. **M. G. Albu**, M. Ferdes, D. A. Kaya, M. V. Ghica, I. Titorencu, L. Popa, L. Albu, *Collagen wound dressings with anti-inflammatory activity*, Molecular Crystal and Liquid Crystal, 2012, **555(1)**, 271-279, DOI: 10.1080/15421406.2012.635556. (IF – 0.571)
7. I. Titorencu, **M. G. Albu**, A. Georgescu, V. Jinga, F. Anton, *Collagen –dexamethasone and collagen-d₃ scaffolds for bone tissue engineering: an in vitro study*, Molecular Crystal and Liquid Crystal, 2012, **555(1)**, 208-217, DOI: 10.1080/15421406.2012.635540. (IF – 0.571)
8. **M. G. Albu**, D. M. Suflet, G. C. Chitanu, P. Budrugaec, I. Titorencu, V. Trandafir, *Biocomposites based on Collagen and Phosphorylated Dextran for Bone Regeneration*, Journal of Materials Research, 2012, Journal of Materials Research, **27(7)**, 1086-1096, DOI: 10.1557/jmr.2012.21. (IF – 1.673)
9. A. Ficai, E. Andronescu, D. Ficai, M. Sonmez, **M. G. Albu**, G. Voicu, *Mimicking the morphology of long bone*, Central European Journal of Chemistry **10(6)**, 1949-1953, 2012, DOI: 10.2478/s11532-012-0120-4. (IF – 1.46)
10. A. Lungu, **M. G. Albu**, I. C. Stancu, N. M. Florea, E. Vasile, H. Iovu, *Superporous collagen-sericin scaffolds*, Journal of Applied Polymer Science, **127(3)**, pp. 2269-2279, 2013, DOI: 10.1002/app.37934. (IF – 1.86)
11. S. Dinescu, B. Galateanu, **M. G. Albu**, A. Cimpean, A. Dinischiotu, M. Costache, *Sericin enhances the bioperformance of collagen-based matrices preseeded with hADSCs*, International Journal of Molecular Sciences, 2013, **14(1)**, 1870-1889, DOI: 10.3390/ijms14011870. (IF – 3.226)
12. A. Ficai, **M. G. Albu**, M. Birsan, M. Sonmez, D. Ficai, V. Trandafir, E. Andronescu, *Collagen hydrolysate based collagen/hydroxyapatite composite materials*, Journal of Molecular Structure, 2013, **1037**, 154-159, DOI: 10.1016/j.molstruc.2012.12.052. (IF – 1.753)
13. M. V. Ghica, **M. G. Albu**, L. Popa, St. Moisescu, *Response surface methodology and Taguchi approach to assess the combined effect of formulation factors on minocycline delivery from collagen sponges*, Pharmazie, 2013, **68 (5)**, 340-348, DOI: 10.1691/ph.2013.2101. (IF – 1.126)

14. A. M. Grumezescu, E. Andronescu, **M. G. Albu**, A. Fikai, C. Bleotu, D. Dragu, V. Lazar, *Wound dressing based collagen biomaterials containing usnic acid as quorum sensing inhibitor agent: Synthesis, characterization and bioevaluation*, *Current Organic Chemistry*, 2013, **17(2)**, 125-131, DOI: 10.2174/1385272811317020007. (IF – 1.924)
15. E. Andronescu, A. Fikai, **M. G. Albu**, V. Mitran, M. Sonmez, D. Fikai, R. Ion, A. Cimpean, *Collagen-hydroxyapatite/cisplatin drug delivery systems for locoregional treatment of bone cancer*, *Technology in Cancer Research and Treatment*, 2013, **12 (4)**, pp. 275-284, DOI: 10.7785/tcr.2012.500331. (FI – 2.204)
16. S. Dinescu, B. Galateanu, **M. Albu**, A. Lungu, E. Radu, A. Hermenean, M. Costache, *Biocompatibility assessment of novel collagen-sericin scaffolds improved with hyaluronic acid and chondroitin sulfate for cartilage regeneration*, *BioMed Research International*, 2013, <http://dx.doi.org/10.1155/2013/598056>. (FI – 2.476)
17. **M. G. Albu**, Z. Vuluga, D.M. Panaitescu, D.M. Vuluga, A. Casarica, M. Giurea, *Morphology and thermal stability of bacterial cellulose/collagen composites*, *Central European Journal of Chemistry*, 2014, **12(9)**, pp 968-975. DOI: 10.2478/s11532-014-0545-z. (IF – 1.46)
18. **M.G. Albu**, V. Deselnicu, I. Ioannidis, D. Deselnicu, C.Chelaru, *Chemical functionalization and stabilization of type I collagen with organic tanning agents*, *Korean Journal of Chemical Engineering*, 2015, **32(2)**, pp 354-361. (IF – 2.007)
19. L. Mincan, M. Micutz, T. Staicu, **M. G. Albu**, D. Sulea, M. Leca, *Structural and rheological properties of collagen hydrogels containing tannic acid and chlorhexidine digluconate intended for topical applications*, *Comptes Rendus Chimie*, 2015, **18(2)**, pp 160-169. doi:10.1016/j.crci.2014.07.007. (IF – 1.879)
20. D. Fikai, M. Sonmez, **MG. Albu**, DE. Mihaiescu, A. Fikai, C. Bleotu, *Antitumoral materials with regenerative function obtained using a layer-by-layer technique*, *Drug Design, Development and Therapy*, 2015, **9**, pp.1269-1279.(FI – 2.822)
21. J.M. Patrascu, I.A. Nedelcu, M. Sönmez, D. Fikai, A. Fikai, B.S. Vasile, C. Ungureanu, **M. G. Albu**, B. Andor, E. Andronescu, L.C. Rusu, *Composite Scaffolds based on Silver Nanoparticles for Biomedical Applications*, *Journal of Nanomaterials*, 2015, <http://dx.doi.org/10.1155/2015/587989>. (FI – 1.871)
22. M.S. Corobea, **M. G. Albu**, R. Ion, A. Cimpean, F. Miculescu, I.V. Antoniac, V. Raditoiu I. Sirbu, M. Stoenescu, S.I. Voicu, M.V. Ghica, *Modification of titanium surface with collagen and doxycycline as a new approach in dental implants*, *Journal of Adhesion Science and Technology*, 2015, **29 (23)**, 2537-2550. (IF – 1.073)
23. L.C. Rusu, I.A. Nedelcu, M. G. Albu, M. Sonmez, G. Voicu, M. Radulescu, D. Fikai, A. Fikai, M.L. Negrutiu, C. Sinescu, *Tetracycline loaded Collagen/Hydroxyapatite Composite Materials for Biomedical Applications*, *Journal of Nanomaterials*, 2015, <http://dx.doi.org/10.1155/2015/361969>. (FI – 1.871).
24. V. Mitran, **M. G. Albu**, E. Vasile, A. Cimpean, M. Costache, *Dose-related effects of sericin on preadipocyte behavior within collagen/sericin hybrid scaffolds*, *Progress in Natural Science: Materials International*, 2015, **25(2)**, 122-130. (FI – 2.038)
25. V. Constantin, A. Carâp, S. Bobic, **M. Albu**, E. Nica, B. Socea, *Traumatic abdominal wall hernia associated with small bowel injury—case report*, *Indian Journal of Surgery*, 2015; **77(Suppl 1)**. DOI:10.1007/s12262-015-1238-3. (IF – 0.356)
26. G. T. Tihan, C. Ungureanu, R. C. Barbaresso, R. G. Zgarian, I. Rau, A. Meghea, **M. G. Albu**, M.V. Ghica, *Chloramphenicol collagen sponges for local drug delivery in dentistry*, *Comptes Rendus Chimie*, 2015, **18(9)**, pp. 986–992. (IF – 1.879)
27. G. Paunica-Panea, A. Fikai, M. M. Marin, S. Marin, **M. G. Albu**, V. D. Constantin, C. Dinu-Pirvu, Z. Vuluga, M. C. Corobea, M. V. Ghica, *New Collagen-Dextran-Zinc Oxide composites for wound dressing*, *Journal of Nanomaterials*, Volume 2016 (2016), Article ID 5805034, 7 pages. (FI – 1.871)
28. A. Ion, E. Andronescu, D. Radulescu, M. Radulescu, F. Iordache, B. S. Vasile, A. V. Surdu, **M. G. Albu**, H. Maniu, M. C. Chifiriuc, A. M. Grumezescu, A. M. Holban, *Biocompatible 3D matrices with antimicrobial properties*, *Molecules*, 2016, **21**, 115, 13 pages. (FI – 2.861)
29. N. Merdele, S. Marin, M. M. Marin, E. Danila, O. Merdele, **M. G. Albu Kaya**, M. V. Ghica, *Innovative Biomaterials Based on Collagen-Hydroxyapatite and Doxycycline for Bone Regeneration*, *Advances in Materials Science and Engineering*, 2016, Article ID 3452171, 5 pagini. (FI – 1.299)

30. **M. G. Albu**, T. G. Vladkova, I. A. Ivanova, A. S. A. Shalaby, V. S. Moskova-Doumanova, A. D. Staneva, Y. B. Dimitriev, A. S. Kostadinova, T. I. Topouzova-Hristova, *Preparation and Biological Activity of New Collagen Composites, Part I: Collagen/Zinc Titanate Nanocomposites*, Appl Biochem Biotechnol, **2016**, DOI 10.1007/s12010-016-2092-x. (FI – 1.751)
31. A. V. Zanfir, G. Voicu, C. Busuioc, S.I. Jinga, **M.G. Albu**, F. Iordache, *New Coll-HA/BT composite materials for hard tissue engineering*, Materials Science and Engineering C, **62**, 2016, 795-805. (FI – 4,164)
32. M. V. Ghica, **M. G. Albu**, D.A. Kaya, L. Popa, S. Öztürk, L.C. Rusu, C. Dinu-Pîrvu, C. Chelaru, L. Albu, A. Meghea, C. Nitipir, *The effect of lavandula essential oils on release of niflumic acid from collagen hydrolysates*, Korean Journal of Chemical Engineering, **33(4)**, 2016, 1325-1330. (FI – 2.007)
33. M. Yipel, M. V. Ghica, **M. G. Albu Kaya**, A. Spoiala, M. Radulescu, D. Ficai, A. Ficai, C. Bleotu, C. Nitipir, *Multifunctional Materials for Cancer Therapy*, **Current Organic Chemistry**, Volume **20(28)**, 2016. DOI.10.2174/1385272820666160510144210. (IF – 1.924)
34. M. Demeter, M. Virgolici, C. Vancea, A. Scarisoreanu, M. G. Albu Kaya, V. Meltzer, *Network structure studies on γ – irradiated Collagen – PVP superabsorbent hydrogels*, Radiation Physics and Chemistry, **131 (1)**, 2017, pp. 51-59. DOI: 10.1016/j.radphyschem.2016.09.029 (FI – 1.315)
35. O. R. Sava, M. Radulescu, **M. G. Albu**, D. Ficai, M. F. Veloz-Castillo, M. A. Mendez- Rojas, A. Ficai, *Trends in materials science for ligament reconstruction*, Current Stem Cell Research & Therapy, **12(2)**, 2017, pp. 145-154. DOI: 10.2174/1574888X10666151102105959 (FI – 2.684)
36. I. Titorencu, **M. G. Albu**, V. V. Jinga, *Natural Polymer-Cell Bioconstructs for Bone Tissue Engineering*, Current Stem Cell Research & Therapy, Current Stem Cell Research & Therapy, 2017, **12(2)**, pp. 165-174. DOI: 10.2174/1574888X10666151102105659 (FI – 2.684)
37. D. Predoi, S.L. Iconaru, **M. Albu**, C.C. Petre, G. Jiga, *Physicochemical and antimicrobial properties of silver-doped hydroxyapatite collagen biocomposite*, Polymer Engineering & Science, 2017, DOI: 10.1002/pen.24553 (FI – 1.449).
38. G.T. Tihan, V. Sereanu, A.Meghea, G.Voicu, **M.G. Albu**, V. Mitran, A. Cimpean, R.G. Zgârian, *Innovative methodology for developing a bone grafting composite biomaterial starting from the seashell of Rapana thomasiana*, Comptes Rendus Chimie, 20(4), 2017, pp. 440-445, DOI: 10.1016/j.crci.2016.11.003 (FI – 879)
39. M.V. Ghica, **M. Albu Kaya**, .C.E.Dinu-Pîrvu, D. Lupuleasa, D. Udeanu, *Development, Optimization and In Vitro/In Vivo Characterization of Collagen-Dextran Spongy Wound Dressings Loaded with Flufenamic Acid*, Molecules, vol. 22 / 2017, p. 1552, ISSN: 1420-3049 (Print) 1433-1373 (Online) DOI: 10.3390/molecules22091552 (FI – 2.861)
40. I.L. Ardelean, D. Gudovan, D. Ficai, A. Ficai, E. Andronescu, E., **M.G. Albu-Kaya**, P. Neacsu, R.N. Ion, A. Cimpean, V. Mitran, *Collagen/hydroxyapatite bone grafts manufactured by homogeneous/heterogeneous 3D printing*, Materials Letters, 231, 2018, pp. 179-182, DOI: 10.1016/j.matlet.2018.08.042 (FI –2.687)
41. E. Danila, Z. Moldovan, M. Popa, M.C. Chifiriuc, A.D. Kaya, **M.G. Albu Kaya**, *Chemical composition, antimicrobial and antibiofilm efficacy of C. limon and L. angustifolia EOs and of their mixtures against Staphylococcus epidermidis clinical strains*, Industrial Crops & Products, vol.122 (15), pag. 483–492, 2018, <https://doi.org/10.1016/j.indcrop.2018.06.019> (FI - 3.849)
42. S. Marin, **M.G. Albu Kaya**, M.V. Ghica, C. Dinu-Pîrvu, L. Popa, D.I. Udeanu, G. Mihai, M. Enachescu, *Collagen-Polyvinyl Alcohol-Indomethacin Biohybrid Matrices as Wound Dressings*, Pharmaceutics, Vol. 10(4), pag: 224, 2018 (FI - 3.746)
43. S. Dinescu, S.R. Ignat, A.D. Lazar, Ș. Marin, E. Danilă, M.M. Marin, D.I. Udeanu, M.V. Ghica, **M.G. Albu Kaya**, M. Costache, *Efficiency of Multiparticulate Delivery Systems Loaded with Flufenamic Acid Designed for Burn Wound Healing Applications*, Journal of Immunology Research, 2019, Article ID 4513108, 13 pages, <https://doi.org/10.1155/2019/4513108> (FI - 3.289)
44. M. Demeter, I. Călina, C. Vancea, M. Șen, **M.G. Albu Kaya**, E. Mănăilă, M. Dumitru, V. Meltzer, *E-Beam Processing of Collagen-Poly(N-vinyl-2-pyrrolidone) Double-Network Superabsorbent Hydrogels: Structural and Rheological Investigations*, Macromolecular Research, vol 22(3), pg. 255-267, 2019, DOI 10.1007/s13233-019-7041-4 (FI – 1.767)
45. D-C. Ioan, I. Rau, G. Tihan, R.G. Zgarian, M.V. Ghica, **M.G. Albu-Kaya**, E.C. Pîrvu-Dinu, *Piroxicam – Collagen Based Sponges For Medical Applications*, International Journal of Polymer Science, 2019, 6062381 (FI – 1.718)

46. Danila, E., Moldovan, Z., **Albu Kaya, M.G.**, Ghica, M.V., Formulation and characterization of some oil in water cosmetic emulsions based on collagen hydrolysate and vegetable oils mixtures, Vol 91(9), Pag.1493–1507, DOI: 10.1515/pac-2018-0911. (FI – 2.35).
47. G.T. Tihan, I. Rău, R.G. Zgârian, C. Ungureanu, R.C. Barbaresso, **M.G. Albu Kaya**, C. Dinu-Pîrvu, M.V. Ghica, 2019. Oxytetracycline versus doxycycline collagen sponges designed as potential carrier supports in biomedical applications, *Pharmaceutics*, 11(8), 363, <https://doi.org/10.3390/pharmaceutics11080363>, ISSN 1999-4923 (FI - 4,773)
48. D.A. Kaya, M.V. Ghica, E. Danila, S. Ozturk, M. Turkmen, **M.G. Albu Kaya**, C-E. Dinu-Pirvu, Selection of optimal operating conditions for extraction of *Myrtus communis* L. Essential oil by the steam distillation method, *Molecules*, 2020, 25 (10), Article number 2399
49. M.M. Marin, **M.G. Albu-Kaya**, H. Iovu, C.E. Stavarache, C. Chelaru, R. R. Constantinescu, C. DINU-PÎRVU, M.V. Ghica, *Obtaining, evaluation, and optimization of doxycycline-loaded microparticles intended for the local treatment of infectious arthritis*, *Coatings*, 2020, 10(10), 990. doi.org/10.3390/coatings10100990 (IF: 2.436)
50. M. Demeter, V. Metzger, I. Calina, A. Scărișoreanu, M. Micutz, **M.G. Albu-Kaya**, Highly elastic superabsorbent collagen/PVP/PAA/PEO hydrogels crosslinked via e-beam radiation, *Radiation Physics and Chemistry*, 2020, 174, 108898. DOI:10.1016/j.radphyschem.2020.108898
51. T. Tutuianu, A.M. Rosca, **M.G. Albu-Kaya**, V. Pruna, T.P. Neagu, I. Lascar, M. Simionescu, I. Titorencu, Mesenchymal stromal cell-derived factors promote the colonization of collagen 3D scaffolds with human skin cells, *Journal of Cellular and Molecular Medicine*, 2020, 24(17), pp. 9692-9704. DOI: 10.1111/jcmm.15507
52. A. D. Lazar, S. Dinescu, **M.G. Albu-Kaya**, S. Gharbia, A. Hermenean, M. Costache, *Release of the non-steroidal anti-inflammatory drug flufenamic acid by multiparticulate delivery systems promotes adipogenic differentiation of adipose-derived stem cells*, *Materials*, 2020, 13(7), 1550. DOI: 10.3390/ma13071550
53. D.C. Ioan, I. Rau, **M.G. Albu-Kaya**, N. Radu, M. Bostan, R.G. Zgârian, G.T. Tihan, C. Dinu-Pîrvu, A. Lupuliasa. M.V. Ghica, Ciprofloxacin-collagen-based materials with potential oral surgical applications, *Polymers*, 2020, 12(9), 1915. 10.3390/polym12091915
54. I.A. Neacsu, S.A. Leau, S. Marin, A.M. Holban, A.I. Nicoara, V.L. Ene, C. Bleotu, **M.G. Albu Kaya**, A. Fikai, *Collagen-carboxymethylcellulose biocomposite wound-dressings with antimicrobial activity*, *Materials*, 2021, 14(5), 1153, pp. 1-19. 10.3390/ma14051153 (IF: 3.623)
55. Pien, N., Pezzoli, D., Van Hoorick, J., **Albu, M.**, ...Van Vlierberghe, S., Dubrue, P., Development of photo-crosslinkable collagen hydrogel building blocks for vascular tissue engineering applications: A superior alternative to methacrylated gelatin?, *Materials Science and Engineering C* this link is disabled, 2021, 130, 112460, DOI: 10.1016/j.msec.2021.112460
56. Tudoroiu, E.E., Dinu-Pirvu, C-E., **Albu Kaya, M.G.**, Popa, L., Anuta, V., Prisada, R.M., Ghica, M.V., An overview of cellulose derivatives-based dressings for wound-healing management, *Pharmaceutics* 2021, 14(12), 1215; DOI 10.3390/ph14121215
57. Bărbulescu, I.D., Ghica, M.V., Begea, M., **Albu Kaya, M.G.**, Teodorescu, R.I., Popa, L., Marculescu, S.I., Ciric, A.I., Dumitrache, C., Lupuliasa, D., Matei, F., Dinu-Pirvu, C-E., Optimization of the fermentation conditions for brewing yeast biomass production using the response surface methodology and Taguchi Technique, *Agriculture* 2021, 11(12), 1237; DOI 10.3390/agriculture11121237.
58. Tiplea R.E., Lemnar G.-M., Truşcă R.D., Holban A., **Albu Kaya M.G.**, Dragu L.D., Fikai D., Fikai A., Bleotu C., Antimicrobial films based on chitosan, collagen, and ZnO for skin tissue regeneration, *Biointerface Research in Applied Chemistry*, 2021, 11(4), 11985 – 1199515.
59. Marin M.M., Ianchis R., Alexa R.L., Gifu I.C., **Albu Kaya M.G.**, Savu D.I., Popescu R.C., Alexandrescu E., Ninciuleanu C.M., Preda S., Ignat M., Constantinescu R., Development of new collagen/clay composite biomaterials, *International Journal of Molecular Sciences*, 2022, 23(1), Article number 401.
60. E. Danila, R. Stan, **M.G. Albu Kaya**, G. Voicu, M.M. Marin, A. Morosan, I. Titorencu, R. Tutuianu, Valorization of *Cyprinus Carpio* skin for biocompatible collagen hydrolysates with potential application in foods, cosmetics and pharmaceuticals, *Waste and Biomass Valorization*, 2022, 13(2), 917-928. DOI: 10.1007/s12649-021-01569-w.
61. V. Anuta, M.T. Talianu, C.-E. Dinu-Pîrvu, M.V. Ghica, R.M. Prisada, **M.G. Albu Kaya**, L. Popa, Molecular Mapping of Antifungal Mechanisms Accessing Biomaterials and New Agents to Target Oral Candidiasis, *International Journal of Molecular Science*, 2022, 23(14), 7520; <https://doi.org/10.3390/ijms23147520>.

62. M. Demeter, I.Călina, A. Scărișoreanu, M. Micutz, **M.G. Albu Kaya**, Polymeric compounds based on thermoplastic elastomer styrene-butadiene-styrene block copolymers and siliconic rubber powder, *Progress in Rubber Plastics Recycling Technology*, September 2022, DOI:10.1177/14777606221127373.
63. Maria Minodora Marin, **Madalina Albu Kaya**, Durmus Alpaslan Kaya, Roxana Constantinescu, Bogdan Trica, Ioana Catalina Gifu, Elvira Alexandrescu, Cristina Lavinia Nistor, Rebeca Leu Alexa, Raluca Ianchis, Novel Nanocomposite Hydrogels Based on Crosslinked Microbial Polysaccharide as Potential Bioactive Wound Dressings, *Materials* 2023, 16, 982 <https://doi.org/10.3390/ma16030982>.
64. Lavinia Brăzdaru, Teodora Staicu, **Mădălina Georgiana Albu Kaya**, Ciprian Chelaru, Corneliu Ghica, Viorel Cîrcu, Minodora Leca, Mihaela Violeta Ghica, Marin Micutz, 3D Porous Collagen Matrices - A Reservoir for In Vitro Simultaneous Release of Tannic Acid and Chlorhexidine, *Pharmaceutics* 2023, 15(1), 76 <https://doi.org/10.3390/pharmaceutics15010076>.
65. M.M. Marin, I.C. Gifu, G.G. Pircalabioru, **M. Albu Kaya**, R.R. Constantinescu, R. Alexa Leu, B. Trica, E. Alexandru, C.L. Nistor, C. Petcu, R. Ianchis, Microbial Polysaccharide-Based Formulation with Silica Nanoparticles; A New Hydrogel Nanocomposite for 3D Printing, *Gels*, 2023, 9(5), 425.
66. Zhitao Ren, Mengya Li, Jialu Qiao, Fang Wang, **Madalina Georgiana Albu Kaya**, Keyong Tang, Antibacterial chitosan-based composite sponge with synergistic hemostatic effect for massive haemorrhage, *International Journal of Biological Macromolecules*, Volume 252, 1 December 2023, 126344.
67. Demeter, M.; Negrescu, A.M.; Calina, I.; Scarisoreanu, A.; **Albu Kaya, M.**; Micutz, M.; Dumitru, M.; Cimpean, A. Synthesis, Physicochemical Characteristics, and Biocompatibility of Multi-Component Collagen-Based Hydrogels Developed by E-Beam Irradiation. *J. Funct. Biomater.* 2023, 14, 454. <https://doi.org/10.3390/jfb14090454>.
68. Chaoya Ren, Jie Liu, Fang Wang, Yong Lei, **Mădălina Georgiana Albu Kaya**, Keyong Tang, Study on the Pyrolysis Kinetic Behaviors of Different Vegetable-Tanned Sheepskin Leathers, *Journal of the American Leather Chemists Association*, ISSN 0002-9726, Vol. 118, N° 8, 2023, págs. 315-326.
69. Elena Emilia Tudoroiu, **Mădălina Georgiana Albu Kaya**, Maria Minodora Marin, Lăcrămioara Popa, Valentina Anuța, Aurora Antoniac, Ciprian Chelaru, Durmuş Alpaslan Kaya, Răzvan Mihai Prisada, Mihaela Violeta Ghica, Design and Evaluation of New Wound Dressings based on Collagen-Cellulose Derivatives, *Materials & Design*, <https://doi.org/10.1016/j.matdes.2023.112469>
70. Zonghuan Ba, Mingrui Zhang, Yulong Chen, Yizhe Cao, Zhuofan Hu, **Mădălina Georgiana Albu Kaya**, Keyong Tang, Fungal Deterioration on Ancient Leather Artifacts, *Journal of the American Leather Chemists Association*, Vol. 118 No. 12 (2023), p.529-537, <https://doi.org/10.34314/jalca.v118i12.8261>
71. Elena Dănilă, Durmuş Alpaslan Kaya, Valentina Anuța, Lăcrămioara Popa, Alina Elena Coman, Rodica Roxana Constantinescu, Cristina Dinu-Pîrvu, **Mădălina Georgiana Albu Kaya**, Mihaela Violeta Ghica, Formulation and Characterization of Niacinamide and Collagen Emulsion and Its Investigation as a Potential Cosmeceutical Product, *Cosmetics* 2024, 11, 40, <https://doi.org/10.3390/cosmetics11020040>
72. Mingrui Zhang, Zonghui Zhang, Fang Wang, Jie Liu, Yong Lei, **Mădălina Georgiana Albu Kaya**, A Novel Identification Method for Collagen-based Cultural Heritage: Integrating Thermokinetics and Generalized Master Plots, *Journal of Cultural Heritage*, Volume 67, May–June 2024, Pages 226-236 <https://doi.org/10.1016/j.culher.2024.03.006>
73. Mingrui Zhang, Chao Tang, Hui Liu, Shufa Qin, Jie Liu, **Mădălina Georgiana Albu Kaya**, Keyong Tang, Optimization of a Single-step Enzymatic Beamhouse: Toward Eco-friendly Leather Manufacturing Green Chemistry, 26(10), pp. 6019–6031, 2024, <https://doi.org/10.1039/d3gc05162e>
74. Mingrui Zhang, Chao Tang, Jie Liu, Shufa Qin, **Madalina Georgiana Albu Kaya**, **Keyong Tang**, Optimization of MgCl₂-Assisted Neutral Protease System for Sustainable Beamhouse Processing, *Biochemical Engineering Journal*, Volume 207, July 2024, 109331, <https://doi.org/10.1016/j.bej.2024.109331>
75. Jie Liu, Zonghui Zhang, Mingrui Zhang, Madalina Georgiana Albu Kaya, Fang Wang, Keyong Tang, Co-pyrolysis of chrome-tanned leather shavings with wheat straw: thermal behavior, kinetics and pyrolysis products, *Energy*, 2024, 131733, <https://doi.org/10.1016/j.energy.2024.131733>.
76. Mingrui Zhang, Jia Fan, Jie Liu, Yuzhen Chen, Ying Lu, Yong Lei, **Madalina Georgiana Albu Kaya**, Keyong Tang, A Comprehensive Evaluation of a Historical Leather Armor from Yanghai Cemetery, *Turpan Heritage Science*, 2024, vol 12(1), article 162, <https://doi.org/10.1186/s40494-024-01275-5>.

77. Lea Sleiman, Andreea Daniela Lazăr, Mădălina Georgiana Albu Kaya, Minodora Maria Marin, Durmus Alpaslan Kaya, Otilia Ruxandra Vasile, Sorina Dinescu, Development and investigation of an innovative 3D biohybrid based on collagen and silk sericin enriched with flavonoids for potential wound healing applications, *Polymers* 2024, 16(12), 1627; <https://doi.org/10.3390/polym16121627>.
78. Qijue Chen, Chaoyu Ren, Yumeng Wang, Yong Lei, Madalina Georgiana Albu-Kaya, Tang Keyong, Influences of High Temperature and Humidity on Vegetable-tanned Leather, *Journal of Cultural Heritage* Volume 68, July–August 2024, Pages 375-387. doi: 10.1016/j.culher.2024.07.001.
79. Andreea-Anamaria Idu, Mădălina Georgiana Albu Kaya, Ileana Rău, Nicoleta Radu, Cristina-Elena Dinu-Pîrvu, Mihaela Violeta Ghica, Novel Collagen Membranes Formulation: Irinotecan and Minocycline for potential application in Brain Cancer, *Materials*, 2024, 17(14), 3510, doi:10.3390/ma17143510.
80. Florin Popescu, Irina Titorencu, Madalina Albu Kaya, Florin Miculescu, Raluca Tutuianu, Alina Elena Coman, Elena Danila, Minodora Maria Marin, Diana-Larisa Ancuta, Cristin Coman, Adrian Barbilian, Development of innovative biocomposites with collagen, keratin and hydroxyapatite for bone tissue engineering, *Biomimetics* (Basel). 2024 Jul; 9(7): 428.
81. Jia Fan, Mingrui Zhang, Jie Liu, Yong Lei, Mădălina Georgiana Albu Kaya, Keyong Tang, Green synthesis of silver-titanium dioxide nanoparticles using chestnut extract for the preservation of leather artifacts, *Journal of Cultural Heritage*, 2024, 69, pp. 86–93.
82. Albu Kaya, M.G.; Simonca, A.G.; Rau, I.; Coman, A.E.; Marin, M.M.; Popa, L.; Trusca, R.; Dinu-Pirvu, C.-E.; Ghica, M.V., Topical Biocomposites Based on Collagen, Hyaluronic Acid and Metronidazole as Periodontitis Treatment, *Pharmaceuticals* 2024, 17, 1336. <https://doi.org/10.3390/ph17101336>.
83. Alina Elena Coman, Minodora Marin, Ana-Maria Rosca, Madalina Albu Kaya, Rodica Roxana Constantinescu, Irina Titorencu, Marine resources gels as main ingredient for wound healing biomaterials: obtaining and characterization, *Gels*, 2024, 10(11), 729, doi: 10.3390/gels10110729
84. Popescu F, Albu Kaya M, Miculescu F, et al. Novel Collagenous Sponge Composites for Osteochondral Regeneration in Rat Knee Models: A Comparative Study of Keratin, Hydroxyapatite, and Combined Treatments. *Cureus* 16(11): e73428. DOI 10.7759/cureus.73428
85. Liu, S., Zhang, M., Liu, J., Albu Kaya, M.G. , Tang, K., Non-destructive pigment analysis of mural paintings from the Song and Jin Dynasties in Baode County, *Journal of Archaeological Science: Reports*, 2025, 61, 104923. <https://doi.org/10.1016/j.jasrep.2024.104923>
86. Liu, S., Zhang, M., Liu, J., Albu Kaya, M.G., Tang, K., Long-term antioxidant and ultraviolet light shielding gelatin films for the preservation of leather artifacts, *International Journal of Biological Macromolecules*, 2025, 291, 138981. <https://doi.org/10.1016/j.ijbiomac.2024.138981>
87. Zhang, M., Ba, Z., Liu, J., Lei, Y., Albu Kaya, M.G., Tang, K., Rapid and non-destructive identification of the leather artifacts using FTIR-PCA, *Journal of Cultural Heritage* 72 (2025) 150–159. <https://doi.org/10.1016/j.culher.2025.01.010>.
88. Chen, Q., Wang, Y., Wu, X., Jiang, Z., Zhang, B., Albu Kaya, M.G., Goh, K.L., Tang, K., A novel strategy for using ficin enzyme from fig leaves to extract collagen from tannery-trimming wastes, *International Journal of Biological Macromolecules* 305 (2025) 141183. <https://doi.org/10.1016/j.ijbiomac.2025.141183>.
89. Sorca, B.V.; Kaya, D.A.; Kaya, M.G.A.; Enachescu, M.; Ghetu, D.-M.; Enache, L.-B.; Boerasu, I.; Coman, A.E.; Rusu, L.C.; Constantinescu, R.; et al. Bone Fillers with Balance Between Biocompatibility and Antimicrobial Properties. *Biomimetics* 2025, 10, 100. <https://doi.org/10.3390/biomimetics10020100>.
90. Vladu, A.F.; Albu Kaya, M.G.; Truşcă, R.D.; Motelica, L.; Surdu, V.-A.; Oprea, O.C.; Constantinescu, R.R.; Cazan, B.; Ficai, D.; Andronescu, E.; et al. The Role of Crosslinking Agents in the Development of Collagen–Hydroxyapatite Composite Materials for Bone Tissue Engineering. *Materials* 2025, 18, 998. <https://doi.org/10.3390/ma18050998>.
91. Robu, A.; Kaya, M.G.A.; Antoniac, A.; Kaya, D.A.; Coman, A.E.; Marin, M.-M.; Ciocoiu, R.; Constantinescu, R.R.; Antoniac, I. The Influence of Basil and Cinnamon Essential Oils on Bioactive Sponge Composites of Collagen Reinforced with Hydroxyapatite. *Materials* 2025, 18, 626. <https://doi.org/10.3390/ma18030626>

92.
93.

Lista articole publicate in reviste ISI nationale

1. V.Trandafir, S.Vișan, V.Ciobotaru, **M.G.Albu**, *The characterization of Collagen Hydrolyzed Compounds Doped with Calcium/Magnesium Ions*, Revista de Chimie, 2004, **55(4)**, 230-234. (IF – 1.232)
2. A.Lungu, **M.G.Albu**, V.Trandafir, *New Biocomposite Matrices Structures Based on Collagen and Synthetic Polymers Designed for Medical Applications*, Materiale Plastice, 2007, **44(4)**, 273-277. (IF – 0.778)
3. L.Baia, M.Baia, V.Danciu, **M.G.Albu**, V.Coșoveanu, D.Iordăchescu, V.Trandafir, *Type I collagen-TiO₂ aerogel based biocomposites*, Journal of Optoelectronics and Advanced Materials, 2008, **10(4)**, 933 – 936. (IF – 0.449)
4. **M.G.Albu**, M.V.Ghica, M.Giurginca, V.Trandafir, L.Popa, C.Cotruț, *Spectral characteristics and antioxidant properties of tannic acid immobilized in drug delivery systems*, Revista de Chimie, 2009, **60**, 666-672. (IF – 1.232)
5. M.V.Ghica, **M.G.Albu**, L.Popa, M.Leca, L.Brazdaru, C.Cotruț, V.Trandafir, *Drug delivery systems based on collagen-tannic acid matrices*, Revue Roumanie de Chimie, 2009, **54(11-12)**, 1103-1110. (FI – 0.246)
6. C. Sirbu, T.M. Cioroianu, I.Cojocaru, V.Trandafir, **M.G.Albu**, *Fertilizers with protein chelated structures with phytostimulator role*, Revista de Chimie, 2009, **60(11-12)**, 1135-1140. (IF – 1.232)
7. **M.G.Albu**, M.V.Ghica, L.Popa, M.Leca, V.Trandafir, *Kinetics of in vitro Release of Doxycycline Hyclate from Collagen Hydrogels*, Revue Roumanie de Chimie, 2009, 54(5), 373-379. (FI – 0.246)
8. A. Ficai, E. Andronescu, G. Voicu, **M. G. Albu**, A. Ilie, *Biomimetically synthesis of collagen/hydroxyapatite composite materials*, Materiale Plastice, 2010, **47(2)**, 205-208. (FI - 0.778)
9. D. Șulea, M. V. Ghica, M. Micutz, **M. G. Albu**, L. Brăzdaru, T. Staicu, M. Leca și L. Popa, *Characterization and in vitro release of chlorhexidine digluconate comprised in type I collagen hydrogels for wound healing*, Rev. Roumaine Chim., 2010, 55(9), 543-551. FI – 0.246
10. C.G. Potarniche, Z. Vuluga, C. Radovici, S. Serban, D.M. Vuluga, M. Giurea, V. Purcar, V. Trandafir, D. Iordachescu, **M. G. Albu**, *Nanocomposites Based on Collagen and Na-Montmorillonite Modified with Bioactive Substances*, Materiale Plastice, 2010, **47(3)**, 267-273. IF – 0.778
11. M. Ficai, E. Andronescu, G. Voicu, D. Ficai, **M. G. Albu**, A. Ficai, *Mollusc shell/collagen composite as potential biomaterial for bone substitutes*, Revista Romana de Materiale, 2010, **40(4)**, 359-364. FI – 0.56
12. D. Șulea, **M. G. Albu**, M.V. Ghica, L. Brazdaru, M. Leca, L. Popa, *Characterization and in vitro release of chlorhexidine digluconate contained in type I collagen porous matrices*, Rev. Roumaine Chim., 2011, 56(1), 65-71. FI – 0.246
13. D. Șulea, M. Micutz, **M. G. Albu**, T. Staicu și M. Leca, *Collagen-thuja tincture biomaterials for wound treatment 2. Hydrogels and porous matrices*, Rev. Roumaine Chim., 2011, 56(2), 129-136. FI – 0.246
14. L.C. Rusu, L. Ardelean, M.L. Negrutiu, A.-O. Dragomirescu, **M.G. Albu**, M.V. Ghica, F.I. Topala, A. Podoleanu, C. Sinescu, *SEM for the general structural features assesing of the synthetic polymer scaffolds*, Revista de Chimie, 2011, 62(8), 847-845. IF – 1.232
15. D. Sulea, M. Micutz, **M. G. Albu**, T. Staicu, M.V. Ghica, M. Leca, L. Popa, *Collagen-thuja tincture biomaterials for wound treatment. 3. hydrogels containing thuja tincture and chlorhexidine digluconate*, Rev. Roumaine Chim., 2011, **56(7)**, 811-817. FI – 0.246
16. I. Titorencu, **M. G. Albu**, M.V. Ghica, L. Popa, A. Ficai, L. Albu, V. Jinga, *Collagen-doxycycline matrices used in tissue engineering*, Farmacia, 2011, **59(6)**, 794-802. FI – 1.348
17. R. Setnescu, V. Marinescu, T. Setnescu, S. Jipa, M. Albu, G. Dragan, *Oxidation of lyophilized collagen in various conditions*, Revista de Chimie, 2011, **62 (7)**, 732-735. IF – 1.232

18. M. Dumitrașcu, V. Meltzer, E. Sima, M. Vîrgolici, **M. G. Albu**, A. Ficăi, V. Moise, R. Minea, C. Vancea, A. Scărișoreanu, F. Scarlat, *Characterization of electron beam irradiated collagenpolyvinylpyrrolidone (PVP) and collagen-dextran (DEX) blends*, Digest Journal of Nanomaterials and Biostructures, 2011, **6(4)**, 1793-1803. FI – 0.836
19. Lungu, A., **Albu, M.G.**, Florea, N.M., Stancu, I.C., Vasile, E., Iovu, H., *The influence of glycosaminoglycan type on the collagen-glycosaminoglycan porous scaffolds*, Digest Journal of Nanomaterials and Biostructures, 2011, **6(4)**, 1867-1875. FI = 0.836
20. Lungu, A., Titorencu, I., **Albu, M.G.**, Florea, N.M., Vasile, E., Iovu, H., Jinga, V., Simionescu, M., *The effect of BMP-4 loaded in 3D collagen-hyaluronic acid scaffolds on biocompatibility assessed with MG 63 osteoblast-like cells*, Digest Journal of Nanomaterials and Biostructures, 2011, **6(4)**, 1897-1908. FI – 0.836
21. I. Zegrea, L.I. Chivu, **M. G. Albu**, D. Zamfirescu, R.D. Chivu, D.A. Ion, I. Lascăr, *A Romanian therapeutic approach to peripheral nerve injury*, Romanian Journal of Morphology and Embryology, 2012, 53 (2), 357-361. FI – 0.67
22. M.V. Ghica, **M. G. Albu**, C. Dinu-Pîrvu, Șt. Moiesescu, *In vitro kinetic release and flow behaviour of some collagen-minocycline topical hydrogels*, Revista de Chimie, 2012, Vol. 63, nr. 9, 929-935. IF – 1.232
23. D.A. Kaya, M. Ferdes, N. Badea, **M. G. Albu**, *The effect of laurel and thymbra essential oils on antioxidant and antimicrobial properties of collagen hydrolysate*, Romanian Biotechnological Letter, 2012, Vol 17, nr. 5, 7694-7701. FI – 0.396
24. M.V. Ghica, **M. G. Albu**, I. Titorencu, L. Popa, L. Albu, *Collagen-doxycycline topical hydrogels: rheological, kinetic and biocompatibility studies*, Farmacia, 2012, 866-876. FI – 1.348
25. D. Sulea, M. Micutz, **M. G. Albu**, T. Staicu, M. Leca, L. Popa, M. V. Ghica, *Collagen-thuja tincture biomaterials for wound treatment 4. Porous matrices containing thuja tincture and chlorhexidine digluconate*, Revue Roumaine de Chimie, 2012, 57 (6), 569-575. FI – 0.246
26. D.A.Kaya, Z. Vuluga, C.A. Nicolae, C. Radovici, **M. G. Albu**, *The properties of two natural zeolites modified with oregano essential oil*, Revista Romana de Materiale, 2013, 43 (1), 48-54. FI – 0.56
27. Popa, L., Drăgănescu, D., **Albu, M.G.**, Ortan, A., Ghica, M.V., *BIOINFOQSAR - A specialized software developed for QSAR models. Predictable capacity testing for conventional antitumor drugs*, Farmacia, 2013, 61(3), 427-438. FI – 1.348
28. L. Popa, M.V. Ghica, **M.G. Albu**, A. Ortan, C-E. Dinu-Pîrvu, *Hysteresis of contact angle. Dynamic wettability studies of collagen and doxycycline porous matrices crosslinked with tannic acid*, Digest Journal of Nanomaterials and Biostructures, 2013, 8(3), 937-943. FI – 0.836
29. M. Inan, D.A. Kaya, **M. G. Albu**, *The effect of lavender essential oils on collagen hydrolysate*, Rev. Chim. (Bucharest), 2013, 64(9), 1037-1042. IF – 1.232
30. Rusu, L.C., Kaya, D.A., Ghica, **M.V., Albu, M.G.**, Popa, L., Butu, A., Dinu-Pîrvu, C.E., *Eucalyptus-collagen composite gels for dentistry applications*, Digest Journal of Nanomaterials and Biostructures, (2014), 9(1), 317 – 323. FI – 0.836
31. Inan, M., Kaya, D.A., Vuluga, Z., **Albu, M.G.**, *The change of cyclotrichium niveum (Boiss) Manden & Scheng essential oils and their components at the different growth stages*, Revista de Chimie, (2014), 65 (3), 262 – 264. IF – 1.232
32. Spoiala, A., **Albu, M.G.**, Ficăi, A., Andronescu, E., Voicu, G., Ungureanu, C., *The SiO₂/ZnO composite materials for cosmetic creams*, Digest Journal of Nanomaterials and Biostructures, 9(4), 2014, 1729-1737. FI – 0.836
33. **Albu MG**, Ghica MV, *Spongy collagen-minocycline delivery systems*, Farmacia, 2015, 63(1), 20-25. FI – 1.348
34. Popa C.L., Bartha C.M., **Albu M.**, Guegan R., Motelica-Heino M., Chifiriuc M.C., Bleotu C., Badea M.L., Antohe S., *Synthesis, characterization and cytotoxicity evaluation on zinc doped hydroxyapatite in collagen matrix*, Digest Journal of Nanomaterials and Biostructures, 2015, 10(2), 681-691. FI – 0.756
35. C. Nitipir, **M. G. Albu**, G. Voicu, A. Ficăi, M.A. Barbu, L.G. Popa, D. Mirea, S. Lazar, C. Levai, M.V. Ghica, *Collagen-vinblastine delivery systems as a new treatment for Kaposi's Sarcoma*, Revista de Chimie, 2015, 66(8), 1169-1172. IF – 1.232
36. V.D. Constantin, A. Carâp, B. Socea, A. Ficăi, **M. G. Albu**, G. Paunica-Panea, *The influence of synthetic material meshes on the surgical repair of the abdominal wall defects*, Revista Romana de Materiale, 2015, 45(3), 290-297. FI – 0.56
37. C.L. Popa, **M. G. Albu**, C. Bartha, A. Costescu, C. Luculescu, R. Trusca, S. Antohe, *Structural characterization and optical properties of hydroxyapatite/collagen matrix*, Romanian Reports in Physics, 68(3), 2016, pg. 1149-1158. IF – 1.367

38. Albu, M.G., Lungu, A., Vasile, E., Iovu, H., *Collagen-sericin-nano-hydroxyapatite composites for bone tissue engineering*, Farmacia, 64 (3), 2016, pp. 414-418. (FI – 1.348)
39. C. Chelaru, M. Ignat, **M. Albu**, A. Meghea, *Chemical characterization of vegetable oils and - lemon, lavender and argan*, Revista De Chimie, 67(9), 2016, pg. 1680-1683. (FI – 1.232)
40. S. Marin, **M.G. Albu Kaya**, G. Voicu, G.T. Tihan, *Hidrogeluri compozite sensibile la pH și temperatură pentru tratamentul arsurilor*, Revista Română de Materiale / Romanian Journal of Materials 2017, 47 (1), 78 – 83 (FI – 0.56)
41. C. Nitipir, S. Marin, M.M. Marin, **M.G. Albu Kaya**, M.V. Ghica, N. Mederle, *Hybrid collagen-NaCMC matrices loaded with mefenamic acid for wound healing*, Revista de Chimie, vol 68, nr 11/2017, p. 2605-2609. (FI – 1.412)
42. M.M. Marin, M. Ignat, M.V. Ghica, **M.G. Albu Kaya**, C. Dinu Pirvu, A. Valentina, L. Popa, *Collagen - Lidocaine microcapsules with controlled release for tooth extraction pain*, Rev.Chimie (Bucharest), vol. 69 (5), 2018, pag. 1213-1215. (FI – 1.412)
43. E. Danila, D.A. Kaya, M. Patrascu, **M.G. Albu Kaya**, S. Kumbakisaka, *Comparative study of lavandula angustifolia essential oils obtained by microwave and classical hydrodistillation*, Rev.Chimie (Bucharest), vol. 69 (8), 2018, pag. 2240-2244. (FI – 1.412)
44. M. Ravis, A. Simonca, M.M. Marin, A.N. Valeanu, I. Rau, **M.G. Albu Kaya**, E. Ianes, C. Chelaru, C. Dinu Pirvu, M.V. Ghica, *New Treatment for Dentistry Regeneration Based on Metronidazole Release from Collagen/Strontium Sponges*, Materiale Plastice, vol. 55 (2), 2018, pag. 243-246 (FI – 1.248)
45. M.M. Marin, **M.G. Albu Kaya**, A. Ficai, M.V. Ghica, L. Popa, R. Tutuianu, *Collagen hydrolysate-based ingestible bioproducts for the treatment of gastric disorders*, Revista Romana de Materiale, vol. 48 (1), 2018, pag. 121-126 (FI – 0.661)
46. D.I. Udeanu, **M.G. Albu Kaya**, M.V. Ghica, S. Marin, M.M. Marin, D.A. Kaya, L. Popa, C. Dinu – Pirvu, *Anti-inflammatory drug-loaded biopolymeric spongy matrices with therapeutic perspectives in burns treatment*, Farmacia, vol. 66(5), 2018, pag: 783-790. (FI – 1.507)
47. Danila, E., Kaya, D.A., Ghica, M.V., **Albu Kaya, M.G.**, Negrea, C., Popa, L., Nitipir, C., *Rheological properties and stability of dermatocosmetic emulsions with collagen and natural ingredients used as color correcting cream and cream foundation*, Revista de Chimie, 70(6), 2019, pag: 1928-1933.
48. S.I. Marinescu, D.E. Marin, Z. Jókai, M. Üveges, **M. Albu Kaya**, V. Bunduc, M. Dernovics, H. Hingyi, M. Begea, I.D. Barbulescu, *Bio-ingredients based on spent industrial yeast biomass*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. 2019, Vol. VIII, pg. 196-201.
49. E. Dănilă, R. Stan, A.E. Enache, M. Türkmen, D.A. Kaya, **M.G. Albu Kaya**, A. Serafim, *Obtaining and characterization of some emulsions based on collagen hydrolysate and natural extracts with a potential anticellulitic action*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science Volume 81, 2019, Issue 4, Pages 73 – 84 2019
50. M. Begea, I.D. Barbulescu, L. Popa, C.O. Rusanescu, M.G. Albu Kaya, R. Teodorescu, S.I. Marinescu, M. Frincu, C. Mihai, A.I. Ciric, R.E. Avramescu, M.V. Ghica, *Novel assessment method of the critical parameters for brewing yeast formulation as a nutraceutical in animal diets*, Revista de Chimie Open Access Volume 71, Issue 2, Pages 167 – 174 2020.
51. M.M. Marin, **M.G. Albu-Kaya**, G.M. Vlasceanu, J. Ghitman, I. C. Radu, H. Iovu, *The effect of crosslinking agents on the properties of type II collagen biomaterials*, Materiale Plastice, 2021, vol.57 (4), p.166-180. (IF: 1, 517)
52. M.M. Marin, **M.G. Albu-Kaya**, C.E. Stavarache, R.R. Constantinescu, C. Chelaru, J. Ghitman, H. Iovu, *Extraction and studies on the properties of type II collagen as potential biomaterial in cartilage repair*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science this link is disabled, 2021, 83(1), pp. 229–238
53. A.F. Vladu, S. Marin, I.A. Neacșu, R.D. Trușcă, **M.G. Albu Kaya**, D.A. Kaya, A.-M. Popa, C. Poiană, I. Cristescu, C. Orlov, D. Ficai, A. Ficai, *Spongy fillers based on collagen-hydroxyapatite-eugenol acetate with therapeutic potential in bone cancer*, Farmacia, 2020, 68(2), pp. 313-321. (IF 1.433)
54. A.G. Simonca, M.G. Albu Kaya, I. Rău, M.M. Marin, C.E. Dinu-Pîrvu, A. Lupuliasa, **M.V. Ghica**, *The influence of the formulation factors on the design and characterization of some collagen-based hydrogels with metronidazole*, UPB - Scientific Bulletin, Series B, 2023, 85(3), 43-52.

55. Cristian Ioan, Ileana Rău, **Mădălina Georgiana Albu-Kaya**, Roxana Gabriela Zgărian, Grațîela Teodora Tihan, Cristina-Elena Dinu-Pîrvu, Lăcrămioara Popa, Mihaela Violeta Ghica, Collagen based sponges for veterinary applications, UPB Scientific Bulletin, Series B, Vol. 86, Iss. 1/2024, p. 135-144.
56. Robu, A., Albu Kaya, M.G., Antoniac, A., Antoniac, I., Pieptea (Popescu), E-E., Neculescu, A., Raiciu, A.D., Gherghina, M.E., Fratila, A.M., Collagen-based bioactive wound dressings loader with *basil essential oil* and hydroxyapatite, UPB Scientific Bulletin, Series B, Vol. 87 (1), 2025, p. 179-190.

Lista articole publicate in reviste neindexate ISI

1. M.Leca, V.Trandafir, **M.G.Albu**, *Preparation and Characterization of some Collagen Gels and Matrices*, „Ovidius” University Annals of Medicine Science, **1**, 2003, 84-92.
2. V.Trandafir, I.Demetrescu, S.Vișan, **M.G.Albu**, *Leather Management in Leather Industry. Biomaterials from Tannery Wastes*, Rev. Economia, Ed.ASE, **1**, 2003, 102-104.
3. V.Trandafir, T.M.Cioroianu, V.Bratulescu, **M.G.Albu**, *Use of Collagen hydrolysate as an Active Component in Bio-fertilisers*, Cuoio Pel.Mat.Conc., **79(66)**, 2003, 289-296.
4. L. Mincan, **M. Albu**, M. Leca, R. Sirbu, *Izolation Of Type I Fibrillar Collagen And Characterization Of Collagen Matrices*, Jurnalul Timisoara Medicala, 55(5), **2005**, 212-214.
5. I.Titorenco, E.Constantinescu, **M.G.Albu**, V.Trandafir, V.Jinga, M.Simionescu, *Proliferation of Human Endothelial Cells on Different Collagen Supports*, Proceedings of Romanian Academy, Series B, 2007, **2**, 89-94.
6. **M. G. Albu**, V. Trandafir, M. Leca, C. Carsote, *Characterization of collagen-gentamicin systems used in controlled release of drugs*, Revista de Pielarie Incaltaminte, 2007, **4**, 3-9.
7. **M. G. Albu**, A. Ficai, A. Lungu, *Preparation and characterization of collagen matrices obtained at different freezing temperatures*, Revista de Pielarie Incaltaminte, 2010, **10(3)**, 39-50.
8. **M. G. Albu**, I. Titorenco, C. Chelaru, *The stability of some collagen hydrohels*, Revista de Pielarie Incaltaminte, 2011, **11(1)**, 11-20.
9. L.C. Rusu, M.V. Ghica, L. Ardelean, **M. G. Albu**, *The benefits of collagen gels and matrices with lidocaine in dentistry*, Medicine in Evolution Volume, 2011, **XVII(1)**, 11-16.
10. **M. G. Albu**, M. Ferdeș, M. Giurginca, C. Chelaru, R. Constantinescu, M.V. Ghica, *The activity of some enzymes on type I fibrillar collagen*, Leather And Footwear Journal, 2011, **11(3)**, 191-200.
11. **M. G. Albu**, I. Titorenco, *Biocompatibility study of collagen nerve conductors*, Leather And Footwear Journal, 2011, **11(4)**, 329-340.
12. Vrânceanu, M.D., Șaban, R., Antoniac, I., **Albu, M.**, Miculescu, F., *Development and characterization of novel porous collagen based biocomposite for bone tissue regeneration*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science , 2012, 74 (3), 145-156.
13. **M. G. Albu**, M.V. Ghica, K. Tang, J. Liu, Gh. Coara, *Rheological behavior of some collagen extracts*, Leather and Footwear Journal, 2012, **12(3)**, 193-200.
14. M.D. Vranceanu, R. Saban, **M. G. Albu**, I. Antoniac, *Preparation and characterization of collagen:amorphous calcium phosphate composites*, Leather and Footwear Journal, 2012, **12(3)**, 215-222.
15. **M. G. Albu**, M. Leca, V. Trandafir, *Comportarea reologica a unor creme cu colagen*, Leather and Footwear Journal, 2012, **12(4)**, 257-270.
16. Dumitrașcu, M., Albu, M.G., Virgolici, M., Vancea, C., Meltzer, V., *Characterization of electron beam irradiated polyvinylpyrrolidone-dextran (PVP/DEX) blends*, Solid State Phenomena, 2012, 188, pp. 102-108.
17. **M. G. Albu**, L.N. Radev, I.D. Titorenco, T.G. Vladkova, *Fibrillar collagen/bioactive calcium phosphate silicate glass-ceramic composites for bone tissue engineering*, Current Tissue Engineering, 2013, **2**, 119-132.

18. Wei Tian, Jing Du, Keyong Tang, Fang Wang, Kang Zhao, **Mădălina Albu**, *Influența tensiunii asupra proprietăților mecanice ale pielii în stare uscată*, Revista de Pielarie Incaltaminte, vol.15, nr.3/2015, 189-202.
19. I-A. Nedelcu, A. Fikai, D. Fikai, G. Voicu, **M. G. Albu**, E. Andronescu, *Hybrid collagen-carboxymethylcellulose/ hydroxyapatite composite materials for bone tissue regeneration*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 2015, 77 (1), 3-14.
20. G. Paunica-Panea, M.V. Ghica, S. Marin, A.M. Ene, M.M. Marin, E. Danila, C. Nitipir, **M. G. Albu**, I. Cristescu, *Collagen-albumin-gentamicin hydrogels usable for infected wound healing*, Leather and Footwear Journal, December 2015, 15 (4), pg. 249-256.
21. K. Tang, W. Tian, F. Wang, P. Jia, J. Liu, **M. G. Albu**, *Effect of ultrasound on the dryheat behaviors of cattlehidecollagen fibers*, Leather and Footwear Journal, December 2015, 15 (4),p. 257-272.
22. Chelaru, C., Ignat, M., Albu, M., Meghea, A., *Polymeric microcapsules for cosmetic applications, based on Lemon essential oil (Citrus Limon)*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 2015, 77 (4), pp. 101-112.
23. Spoiala, A., Voicu, G., Fikai, D., Ungureanu , C., Albu M.G., Vasile B.S., Fikai, A., Andronescu, E., *Collagen/TiO₂-Ag composite nanomaterials for antimicrobial applications*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 2015, 77 (4), pp. 275-290
24. V. Pruna, I. Titorencu, **M. G. Albu**, A. Lungu, V.V. Jinga, R. Radulescu, *The osteoinductive potential of collagen based scaffolds for human mesenchymal stromal cells depends on scaffold composition and on the source of the cells; the need for personalized tests* Annals of R. S. C. B., XX(2), 2016, 20-28.
25. M.V. Ghica, A-A.Watzlawek, E. Olaret, S. Voicu, S. Marin, M.M. Marin, E. Danila, A.G. Simonca, **M. G. Albu**, C. Chelaru, C.E. Dinu-Pîrvu, *Collagen-niflumic acid spongy matrices for bone repairing*, Key Engineering Materials, 2016, 695, 170-177.
26. **M. G. Albu**, M.V. Ghica, G.A. Stefanescu, M. Hodorozea, M.M. Marin, S. Marin, E. Danila, S. Voicu, A.G. Simonca, L. Popa, *Design and characterization of collagen-sodium carboxymethylcellulose-lidocaine 3D composites for wound management*, Key Engineering Materials, 2016, 695, 309-316.
27. G. Macovescu, C. Chelaru, **M.G. Albu Kaya**, L. Albu, *Determination of hydroxyproline in collagen biomaterials for medical use and validation of method*, Revista de Pielarie Incaltaminte vol.16 (2016) 2, 147-162.
28. DS. Stoyanova, IA Ivanova, A.Staneva, **MG. Albu-Kaya**, TG Vladkova, *Antifungal potential of some collagen-based nanocomposites against Candida lusitaniae*, Nanoscience & Technology, vol. 3, nr. 1: (2016), 1-7, <http://dx.doi.org/10.15226/2374-8141/3/1/00138>
29. D.A. Kaya, **M.G. Albu Kaya**, *Essential Oils: Power of Essential Oils and Using as Biomaterial*, Turkiye Klinikleri J Anim Nutr&Nutr Dis-Special Topics 2017; 3(1): 8-14.
30. Tang, K., Li, W., Wang, F., Liu, J., **Albu, M.G.**, *Study on the creep behaviour of nappa upper pig leather*, Leather and Footwear Journal, 2020, 20(1), pp. 37–42
31. Tang, K., Li, W., Wang, F., Liu, J., **Albu, M.G.**, *Modification of waterborne pu finishing agent with hydroxyl silicone*,cLeather and Footwear Journal, 2020, 20(1), pp. 73–82
32. T. Vladkova, A. Staneva, **M. Albu Kaya**, M., B. Martinov, I. Ivanova, *Collagen/(ZnTiO₃/SiO₂) composites of an wide spectrum antimicrobial activity*, Journal of Chemical Technology and Metallurgy, 2020, 55(1), pp. 60-72.
33. A. Staneva, **M. Albu Kaya**, B. Martinov, I. Ivanova, T. Vladkova, *Preparation and antimicrobial activity of collagen /(RGO/ZnO/TiO₂/SiO₂) composites*, Journal of Chemical Technology and Metallurgy, 2020, 55(5), pp. 1078-1086.
34. D.C Popovici, N. Mederle, A.M. Marin, M.M.F. Moraru, **M.G. Albu Kaya**, O. Ionescu, *Evaluation of the parasitic load in the fallow deer (Dama dama L.) from Arad County by coproparasitologic methods*, Volumul LV(2) - Lucrări Științifice Medicină Veterinară, iunie 2022, Scientific Papers Journal Veterinary Series, p. 172-179.
35. A.M. Marin, M.M.F. Moraru, D.C. Popovici, B.A.M. Sîrbu, I. Crăciun, C.A. Cireșan, I. Pavlovic, M. G. Albu Kaya, N. Mederle, *Study regarding the endoparasitism in goats from Dolj County*, Volumul LV(2) Lucrări Științifice Medicină Veterinară, iunie 2022, Scientific Papers Journal Veterinary Series, p. 142-151.

36. Negrescu A., Mederle N., Morariu S., Marin A.M., Savici J., Albu Kaya M.G., Dărăbuș Gh., Study on the prevalence of demodicosis in two dog shelters in mehedinți county, *Lucrări Științifice Medicină Veterinară*, iunie 2022. *Scientific Papers Journal Veterinary Series, Volumul LV(2)* , ISSN: 1454-7406, p. 203-211
37. Maria Minodora Marin, M.V. Ghica, D.A. Kaya, D.I. Udeanu, Madalina Georgiana Albu Kaya, C-E Dinu-Pîrvu, L. Popa, V. Anuța, R.M. Prisada, *International Journal for Chemistry and Technology*, E-ISSN: 2602-277X, 2022, Volume 6, Issue 2, p.114 - 121, 31.12.2022 , <https://doi.org/10.32571/ijct.1135548>
38. Mingrui Zhang, Yinfei Wang, Meng Wang, Fang Wang, Jie Liu, Mădălina Georgiana Albu Kaya, Keyong Tang, Pyrolysis kinetics of vegetable tanned leather by iso-conversional method and generalized principal diagram method, *Journal of Leather Science and Engineering (Chinese Edition)* , ISSN: 2524-7859, Vol.32(6): 6–12, Dec.2022 , <https://doi.org/10.19677/j.issn.1004-7964.2022.06.002>
39. Iliana A Ivanova, Dragomira S Stoyanova, Anna Staneva, Madalina Albu-Kaya, Todorka G Vladkova, Antibacterial Effect of Graphene-Collagen Nanocomposites on Salmonella species, *J Biomed Res Environ Sci.* 2022 Aug 15; 3(8): 925-929. doi: 10.37871/jbres1533, Article ID: JBRES1533, Available at: <https://www.jelsciences.com/articles/jbres1533.pdf>
40. Chen, Q., Pei, Y., Tang, K., **Albu-Kaya, M.G.**, Structure, extraction, processing, and applications of collagen as an ideal component for biomaterials - a review, *Collagen and leather*, 2023, 5(1), 20.
41. Todorka G. Vladkova, Boris L. Martinov, Anna D. Staneva, Iliana At. Ivanova, Dilyana N. Gospodinova, **Madalina Georgiana Albu-Kaya**, Preparation and antimicrobial activity of fucoidan containing collagen/(ZnTiO₃/SiO₂) composites, *Journal of Chemical Technology and Metallurgy*, vol.58, issue 4/ 2023, p.654-663.
42. Elena-Emilia Tudoroiu, Mihaela Violeta Ghica, Cristina-Elena Dinu-Pîrvu, Lăcrămioara Popa, Adriana-Elena Tăerel, Răzvan Mihai Prisada, **Mădălina Georgiana Albu Kaya**, Bruno Ștefan Velescu, Valentina Anuța, Rheological and diffusion evaluation of topical gels with naproxen, *Macedonian Pharmaceutical Bulletin*, 69 (Suppl 1), 2023, p.161 - 162 short comm., <https://doi.org/10.33320/maced.pharm.bull.2023.69.03.079>

Lista articole publicate in proceeding-uri ISI ale conferintelor internationale

1. Z. Vuluga, V. Trandafir, C.G. Potarniche, **M.G. Albu**, C. Radovici, D. Donescu, D. Iordachescu, D.M. Vuluga, *Morphostructural properties and biocompatibility of the collagen/modified layered silicate nanocomposites*, 8th World Biomaterials Congress 2008, 2, pp. 1051.
2. Antoniac, I., Vrânceanu, M.D., Antoniac, A., **Albu, M.G.**, *The influence of the ceramic phase on the structure of resorbable biocomposites based on collagen*, 2011 E-Health and Bioengineering Conference, EHB 2011, **art. No. 6150354**.
3. **M.G.Albu**, M.V. Ghica, A. Fikai, I. Titorencu, L. Popa, *Influence of freeze-drying process on porosity and kinetics release of collagen-doxycycline matrices*, Proceedings of the 3rd International Conference on Advanced Materials and Systems, Bucuresti, 2010, 181-186.
4. **M. G. Albu**, M.V. Ghica, A. Lungu, L. Popa, I-C. Stancu, M. Dumitrascu, E. Sima, *Lidocaine release from collagen dressings*, Proceedings of the 3rd International Conference on Advanced Materials and Systems, Bucuresti, 2010, 175-180.
5. M.V. Ghica, **M. G. Albu**, L. Popa, *Design and optimization of some topical delivery systems with lidocaine based on collagen for wound treatment*, Proceedings of the 3rd International Conference on Advanced Materials and Systems, Bucuresti, 2010, 193-198.
6. M. Leca, D. Sulea, M.V. Ghica, M. Micutz, **M. G. Albu**, L. Brazdaru, T. Staicu, L. Popa, *Collagen hydrogels containing chlorhexidine-digluconate: characterization and in vitro drug release*, Proceedings of the 3rd International Conference on Advanced Materials and Systems, Bucuresti, 2010, 205-210.
7. M. Dumitrascu, **M. G. Albu**, M. Virgolici, C. Vancea, V. Meltzer, *Characterization of electron beam irradiated polyvinylpyrrolidone-dextran, (PVP/DEX) blends*, 2012, Diffusion and Defect Data Pt.B: Solid State Phenomena, **188**, 102-108.
8. **M.G.Albu**, M.Leca, *Rheological Behaviour of some Cross-linked Collagen Hydrogels for Drug Delivery Use*, European Cells & Materials, **10(1)**, 2005, 8.
9. **M.G.Albu**, L.Popa, M.V.Ghica, M.Leca, V.Trandafir, I.Titorencu, *Collagen Matrices for Drug Delivery: Preparation, Characterization and Kinetics of Release*, European Cells and Materials, 2008, **16(Suppl.5)**, 1.
10. **M. G. Albu**, E. Kutan, M. Veshler, C. Ozcakar-Tomruk, I. Cristescu, M.V. Ghica, *Efficacy of Doxicoll - a novel drug delivery systems for infected bone tissue*, *European Cell and Materials*, 2015, 30(Suppl. 2), p. 39.
11. **M. G. Albu**, A. Fikai, M.M. Marin, D.A. Kaya, R. Constantinescu, I. Cristescu, S. Marin, A.M Ene, M.V. Ghica, *Antimicrobial hydrogels based on collagen and zinc oxide*, European Cells and Materials, 2015, 30(2), pg. 40.
12. M. Prodana, **M. G. Albu**, D.A. Kaya, A. Negru, D. Bojin, M. Enachescu, *New method for encapsulation of oregano essential oil into carbon nanotubes*, American Romanian Academy of Arts and Sciences, ARA 39th Conference Proceedings, pg. 88-92. 2015.
13. Ghilean, B.M., Marin, A.M., Moraru, M.M.F. **Albu Kaya Madalina Georgiana**, Hanganu (Mîrza) M., Dreghiciu I.C., Plotuna, A.M. , Mederle, N., *The identification of Sarcoptes spp. mite in red fox (Vulpes vulpes) skin lesions - Case report*, *Lucrari Stiintifice: Medicina Veterinara Timisoara (Scientifical Papers: Veterinary Medicine Timisoara)*, vol. LVI(2), 2023, ISSN: 2668-2435 ISSN-L: 1221-5295

Lista articole publicate in proceeding-uri neindexate ISI

1. M.Leca, **M.G.Albu**, *Collagen-based porous matrices for biomedical applications*, Proceeding of International Conference on Materials Science and Engineering, Braşov, 2005, conferinta 05C1, ISBN 973-635-454-7.
2. V.Trandafir, D.M.Enescu, N.Iordache, **M.G.Albu**, *Tissue Substitutes Made up of Composite Collagenous Systems*, BIOMaterialen, **7(3)**, 2006, 234.
3. **M.G.Albu**, M.V.Ghica, M.Giurginca, V.Trandafir, L.Popa, *Antioxidant properties of immobilized tannic acid on collagen hydrogels and matrices*, Proceedings of International Conference on Ecological Materials and Technologies, Bucuresti, 2008, 21-24.
4. L.Popa, M.V.Ghica, **M.G.Albu**, *A 3² experimental design for the preformulation studies of ascorbic acid stability in aqueous solution*, Proceedings of International Conference on Ecological Materials and Technologies, Bucuresti, 2008, 119-121.
5. **M.G.Albu**, I.Titorencu, V.Trandafir, V.Jinga, *In vitro biocompatibility studies of human osteoprogenitor cells with collagen matrices*, Proceedings of the 2nd International Conference on Advanced Materials and Systems, Bucuresti, 2008, 129-134.
6. M. Ivan, V.Trandafir, I.P.Suciu, **M.G.Albu**, I.Banda, *Risk management in the manufacture of medical devices utilizing animal tissues and their derivatives*, Proceedings of the 2nd International Conference on Advanced Materials and Systems, Bucuresti, 2008, 135-140.
7. V. Trandafir, D. Simion, **M. G. Albu**, B. Albu, T. Dragomir, *Biomaterials conaining plant active principles intended for cosmetic and medical use*, Proceedings of the 2nd International Conference on Advanced Materials and Systems, Bucuresti, 2008, 175-179.
8. L.C. Rusu, M.V. Ghica, L.C. Ardelean, **M. G. Albu**, *Collagen gels and matrices with lidocaine used in dentistry*, Proceedings of the XXIIth International Symposium „Young People and Multidisciplinary Research”, 2010, 151-155.
9. **M. G. Albu**, I. Ioannidis, M.V. Ghica, V. Deselnicu, C. Chelaru, Gh. Coara, *Proteic ingredients for cosmetic products*, Proceedings of the 4th International Conference on Advanced Materials and Systems, Bucuresti, 2012, 21-25.
10. L. Brazdaru, M. Leca, M. Micutz, **M. G. Albu**, T. Staicu, *Stationary and dynamic rheological behaviour of some collagen hydrogels for wound management containing mixtures of chlorhexidine digluconate and tannic acid*, Proceedings of the 4th International Conference on Advanced Materials and Systems, Bucuresti, 2012, 237-242.
11. A. Fikai, E. Andronescu, **M. G. Albu**, A. Grumezescu, M. Sonmez, D. Fikai, *Synthesis and characterization of dense COLL/HA composite materials*, Proceedings of the 4th International Conference on Advanced Materials and Systems, Bucuresti, 2012, 249-253.
12. D.A. Kaya, **M. G. Albu**, Z. Vuluga, N. Cristian, *Collagen-essential oil spongiuous matrices: Thermal and enzymatic stability*, Proceedings of the 4th International Conference on Advanced Materials and Systems, Bucuresti, 2012, 279-284.
13. M.V. Ghica, **M. G. Albu**, Gh. Coara, C. Dinu Pirvu, *The influence of crosslinking agent on kinetic release and rheological behaviour of some collagen-niflumic acid hydrogels niflumic acid hydrogels*, Proceedings of the 4th International Conference on Advanced Materials and Systems, Bucuresti, 2012, 267-272.
14. C.C. Tosun, **M. G. Albu**, H. Ozgunay, C. Chelaru, *The influence of tannic acid and valonea on collagen structure*, Proceedings of the 4th International Conference on Advanced Materials and Systems, Bucuresti, 2012, 309-314.
15. Kaya DA, **Albu MG**, Vuluga Z, Duran N, Albu L, Mert A, *Antimikrobiyal Kollajen Yara Örtüsü*, Tarla Bitkileri Kongresi. p 1052-1059.
16. C. Chelaru, **M. G. Albu**, D.A. Kaya, A. Meghea, M. Ignat, Ş. Öztürk, M. Giurginca, S. Nalbat, M. Turkmen, L. Dinca, *Synthesis and characterisation of microcapsules based on natural biopolymers and laurel essential oil*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, pg. **165-170**.

17. V.D. Constantin, B. Socea, A. Carap, A. Ciudin, Ghe. Popescu, **M. G. Albu**, *Biocompatibility - revolving issue for biomaterials in contaminated fields: novel therapeutic solutions for complicated incisional hernias*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 171-176.
18. N. Duran, G.G. Duran, D.A. Kaya, F. Ayanoglu, H. Ayanoglu, **M. G. Albu**, Z. Vuluga, *Antibacterial activities of selected medicinal plants against MRSA strains isolated from surgical wound infections*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 195-200.
19. X. Fan, N. Li, K. Tang, **M. G. Albu**, *Nano-TiO₂ hydrosol/collagen-chitosan composite scaffold for wound repairing*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 207-212.
20. N. Duran, G.G. Duran, D.A. Kaya, K. Jenedi, Ş. Öztürk, **M. G. Albu**, Z. Vuluga, *Novel anticancer compounds of propolis against three different cancer types*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 201-206.
21. X. He, F. Wang, K. Tang, **M. G. Albu**, *A novel collagen/hydroxyapatite/microcrystalline cellulose composite for bone tissue engineering*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 201-206.
22. M.V. Ghica, D.A. Kaya, **M. G. Albu**, L. Popa, C. Dinu-Pirvu, I. Cristescu, D.I. Udeanu, *Ibuprofen-collagen sponges for wound healing*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 213-218.
23. X. He, T. Yan, K. Tang, **M. G. Albu**, M.V. Ghica, *A novel bone scaffold material based on collagen/hydroxyapatite/gelatin composite*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 231-236.
24. DA. Kaya, S. Sayin, M.Ferdes, **M. G. Albu**, N. Ünal, M. Türkmen, Ş. Öztürk, R-R. Constantinescu, M.V. Ghica, *The influence of marine algae and natural plant oils on collagen-based cream properties*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 237-242.
25. S. Marin, M.M. Marin, A-M. Ene, İ.K. Türker, C. Chelaru, **M. G. Albu**, M.V. Ghica, *Collagen-doxycycline spongy forms for infected tissues treatment*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 249-254.
26. W. Tian, Y. Pei, F. Wang, K. Tang, **M. G. Albu**, M.V. Ghica, *Swelling and drug release of poly(vinyl alcohol)/gelatin composite hydrogel*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 291-296.
27. O.C. Duta, D. Ficai, A. Ficai, E. Andronescu, R. Trusca, **M. G. Albu**, M. Radulescu, G. Mihaescu, L.M. Ditu, *Synthesis of antimicrobial materials with regenerative function by Ibl method*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014,
28. V. Deselnicu, M. Crudu, G. Zainescu, **M. G. Albu**, D.C. Deselnicu, S-A. Guta, I. Ioannidis, R.R. Constantinescu, C. Chirila, D. Gurau, G. Macovescu, L. Alexandrescu, G. Bostaca, *INNOVA-LEATHER - innovative technologies for leather sector*, Proceedings of ICAMS 2014 – 5th International Conference on Advanced Materials and Systems, 2014, 579-584.
29. M. M. Marin, M. V. Ghica, A. G. Simonca, I. Rau, **M. G. Albu-Kaya**, C. Dinu-Pirvu, C. Chirita, L. Popa, *Development and Evaluation of Some Metronidazole-Loaded Collagen Supports Designed for Periodontitis*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 275-280.
30. S. Marin, M. V. Ghica, I. Titorencu, **M. G. Albu Kaya**, M. Ferdes, C. Dinu Pirvu, V. Pruna, *Development and Characterization of Indomethacin Loaded Polyvinil Alcohol Collagen Smart Hydrogels for Burns Injuries*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 281-286.
31. E. Dănilă, Z. Moldovan, M. V. Ghica, **M. G. Albu Kaya**, V. Anuța, M. Demeter, C. Chiriță, *Dermatocosmetics facial masks for topical treatment of acne*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 239-244.

32. I. B. Mihai, M. M. Marin, M. V. Ghica, **M. G. Albu-Kaya**, L. C. Dinca, D. Dragusin, C. E. D. Pirvu, *Collagen-indomethacin-hydroxyapatite spongy forms for bone reconstruction treatment*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 293-298
33. N. Manolache, **M. G. Albu Kaya**, I. C. Stancu, Ş. Marin, C. Chelaru, D. Drăguşin, V. Constantin, G. Paunica Panea, *Advanced collagen-insulin systems for diabetics*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 269-274
34. C. Kilicarislan Ozkan, H. Ozgunay, S. Marin, **M. G. Albu Kaya**, *Investigation of dialdehyde corn starch as crosslinking agent in collagen-based wound dressing materials*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 299-304
35. A. T. Biicin, E. Danila, **M. G. Albu Kaya**, C. Zaharia, S. Marin, I. Cristescu, *Collagen-Fibroin-Hydroxyapatite Scaffolds for Bone Tissue Engineering*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 209-214
36. A. C. Burdusel, I. Stancu, I. B. Mihai, S. Marin, C. Chelaru, A. Serafim, S. Dragusin, **M. G. Albu Kaya**, G. Coara, *Development and Characterization of Collagen – Carboxymethylcellulose Materials for Lenses*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 215-220
37. G. G. Duran, N. Duran, E. Ay, D. A. Kaya, **M. G. Albu Kaya**, *Synergistic Activities of the Essential Oils Hypericum perforatum with Methotrexate on Human Breast Cancer Cell Line MCF-7*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 245-250.
38. N. Duran, G. G. Duran, E. Ay, D. A. Kaya, **M. G. Albu Kaya**, A. Mert, *In Vitro Cytotoxic Activity of Nigella sativa L. on Human Malignant Melanoma Cell Lines*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 251-256.
39. G. Macovescu, C. Chelaru, **M. G. Albu Kaya**, L. Albu, *Medical Bioproducts Collagen Quantification by Hydroxyproline Determination*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 2016, pp. 105-110.
40. S. Bobic, V.D. Constantin, **M. Albu Kaya**, Ş. Marin, E. Dănilă, M. Dimitriu, B. Socea, *Postoperative peritoneal adhesions prophylaxy using collagen-based biomaterials*, Proceedings of ICAMS 2018 – 7th International Conference on Advanced Materials and Systems, 2018, pp. 45-50.
41. V.D. Constantin, A. Carâp, S. Bobic, V. Budu, **M. Albu Kaya**, Ş. Marin, M.M. Marin, B. Socea, *Tissue Engineering-Collagen Sponge Dressing for Chronic Wounds*, Proceedings of ICAMS 2018 – 7th International Conference on Advanced Materials and Systems, 2018, pp. 63 – 68.
42. R-D. Drăghici, M.M. Marin, M.V. Ghica, **M.G. Albu Kaya**, V. Anuţa, C. Dinu-Pîrvu, D.A. Kaya, Ghe. Coară, L. Albu, C. Chelaru, *Matrices Based on Collagen and Alginate for Relieving Injury Pains*, Proceedings of ICAMS 2018 – 7th International Conference on Advanced Materials and Systems, 2018, pp. 75-80.
43. A.D. Florea, E. Dănilă, R.R. Constantinescu, **M. Albu Kaya**, D.A. Kaya, Ghe. Coară, L. Albu, C. Chelaru, *Composite Scaffolds for Bone Regeneration Made of Collagen/Hydroxyapatite/Eucalyptus Essential Oil*, Proceedings of ICAMS 2018 – 7th International Conference on Advanced Materials and Systems, 2018, pp. 93 - 98.
44. S-A. Leau, Ş. Marin, Ghe. Coară, L. Albu, R.R. Constantinescu, **M. Albu Kaya**, I-A. Neacşu, *Study of Wound-Dressing Materials Based on Collagen, Sodium Carboxymethyl cellulose and Silver Nanoparticles used for their Antibacterial Activity in Burn Injuries*, Proceedings of ICAMS 2018 – 7th International Conference on Advanced Materials and Systems, 2018, pp. 123-128.
45. M.M. Marin, Ş. Marin, E. Dănilă, **M.G. Albu Kaya**, M.V. Ghica, L. Popa, R.M. Prisada, Ghe. Coară, C. Chelaru, *Influence of the Formulation and Preparation Technique on the Flufenamic Acid Release from Different Collagenic Supports Designed for Wound Healing*, Proceedings of ICAMS 2018 – 7th International Conference on Advanced Materials and Systems, 2018, pp. 129-134.

46. E. Dănilă, **M.G. Albu KAYA**, M.V. Ghica, A. M. Bunea, L. Popa, D.A. Kaya, Ş. Öztürk, M.M. Marin, V. Anuța, C.E. Dinu Pîrvu, *Formulation and characterization of anti-aging cosmetic emulsions based on collagen hydrolysate and caffeine*, Proceedings of ICAMS 2020 – 8th International Conference on Advanced Materials and Systems, 2020, Bucharest, Romania, pp. 139-144.
47. M.M. Marin, **M.G. Albu-Kaya**, M.V. Ghica, E. Dănilă, G. Coară, L. Popa, C. Chelaru, D.A. Kaya, V. Anuța, C.E. Dinu Pîrvu, I. Cristescu, *Design and evaluation of doxycycline/collagen/chondroitin sulfate delivery systems used for cartilage regeneration*, Proceedings of ICAMS 2020 – 8th International Conference on Advanced Materials and Systems, 2020, Bucharest, Romania, pp. 201-206.
48. M.M. Marin, G. Bumbeneci, R. Constantinescu, C. Chelaru, **M. Albu Kaya**, *New Cosmetics Based On Collagen And Caffeine With Antimicrobial Activity*, Proceedings of ICAMS 2022, p. 179-184, <https://doi.org/10.24264/icams-2022.II.16>.
49. **M.G. Albu Kaya**, M. V. Ghica, C.-E. Dinu-Pîrvu, L. Popa, E. Dănilă, C. Chelaru, V. Anuța, D. A.Kaya, M.-T. Talianu, A.-M. Stavri, *Hair masks based on keratin and collagen*, Proceedings of ICAMS 2022, p. 97-102, <https://doi.org/10.24264/icams-2022.II.2>.
50. E.-E.Tudoroiu, M.V. Ghica, **M.G. Albu-Kaya**, C.-E. Dinu-Pîrvu, L. Popa, V. Anuța, R.M. Prisada, *Rheological characterization of some cellulose derivatives-based hydrogels*, Proceedings of ICAMS 2022, p. 235-240, <https://doi.org/10.24264/icams-2022.II.26>.
51. Alina Elena COMAN, Mădălina Georgiana ALBU KAYA, Elena-Emilia TUDOROIU, Denisa Ioana UDEANU, Mihaela Violeta GHICA *Collagen Extracted from Perch Skin: Rheological Characterization and in vivo Animal Studies*, Proceedings of ICAMS 2024
52. Ioana LUCA, Mădălina Georgiana ALBU KAYA, Cristina-Elena DINU-PÎRVU, Lăcrămioara POPA, Valentina ANUȚA, Răzvan Mihai PRISADA, Elena-Emilia TUDOROIU, Mara Mihaela RĂDUCAN, Elena-Denisa TRANDAFIR, Mihaela Violeta GHICA *Collagen/Albumin-Based Matrices Designed for Vaginal Administration of a NonSteroidal Anti-Inflammatory Drug*, Proceedings of ICAMS 2024

Lista participarilor la manifestari stiintifice internationale

1. P.Budruceac, V.Trandafir, **M.G.Albu**, *The effect of the hidration degree on the hydrothermal and thermo-oxidative stability of some collageneous matrices*, 8th European Symposium on Thermal Analysis and Calorimetry, Barcelona, 25-29 august 2002.
2. V.Trandafir, **M.G.Albu**, T.Pandaru, R.Nita, *Noi materiale compozite ecologice, rezistente la temperaturi înalte, obținute din deșeuri de piele și alte tipuri de deșeuri*, Expoziția și Simpozionul Internațional «Performanțe în Chimia Mileniului III», București, 22-25 septembrie, 2002.
3. V.Trandafir, **M.G.Albu**, T.Pandaru, R.Nita, *New composites, ecological materials resulted from leather and other types of wastes, resistant to higher temperatures*, The CORK XII International Congress of Leather and Allied Industries, Budapest, 9-11 octombrie, 2002.
4. V.Trandafir, T.Mihai, V.Brătulescu, **M.G.Albu**, *Use of collagen hydrolysate as active biologic component for biofertilisers*, IULTCS Congress, Cancún, 28 mai – 1 iunie 2003.
5. V.Trandafir, **M.G.Albu**, V.Buksz, V.Brătulescu, *Marine proteic principles recommended as nourishment and drug*, Primul Simpozion Internațional „Noi resurse în industria farmaceutică”, Constanța, 5-8 iunie 2003.
6. M.Leca, V.Trandafir, **M.G.Albu**, *Preparation and characterisation of some collagen gels and matrices*, Primul Simpozion Internațional „Noi resurse în industria farmaceutică”, Constanța, 5-8 iunie 2003.
7. V.Trandafir, D.Nuta, B.Albu, **M.G.Albu**, V.Trandafir, *In Vitro Studies of the Drug Delivery from Collagen Matrices*, BiomMedD'2004, Bucuresti, 5-7 noiembrie 2004.
8. T.Popescu Negreanu, G.Burnei, P.Neagoe, A.Campean, V.Trandafir, **M.G.Albu**, *Glassceramic PAW1 and tropocollagen composite matrix for bone defects healing*, BiomMedD'2004, Bucuresti, 5-7 noiembrie 2004.
9. **M.G.Albu**, M.Leca, *Rheological Behaviour of some Collagen Hydrogels for Porous Matrices*, BiomMedD'2004, Bucuresti, 5-7 noiembrie 2004.
10. M.Leca, **M.G.Albu**, *Collagen-based porous matrices for biomedical applications*, International Conference on Materials Science and Engineering, Brașov, 24-26 februarie 2005.
11. **M.G.Albu**, M.Leca, M., *Rheological behaviour of some cross-linked collagen hydrogels for drug delivery use*, 11th General Meeting of the Swiss Society for Biomaterials, Magenwil, 1 iunie 2005.
12. V.Danciu, V.Trandafir, A.Peter, V.Cosoveanu, M.Baia, L.Baia, E.Indrea, **M.G.Albu**, *TiO₂ and collagen aerogels based biocomposites*, 14th Romanian International Conference on Chemistry and Chemical Engineering, București, 13-15 septembrie 2005.
13. T.Popescu Negreanu, A.Campean, V.Trandafir, **M.G.Albu**, V.Simion, *Glassceramic PAW1 and Tropocollagen Composite Scaffold, a New Biomaterial for Bone Defects Healing*, International Congress of Dental Materials, NAPOCA BIODENT 2005, 10-12 noiembrie, 2005.
14. I.Titorencu, E.Constantinescu, **M.G.Albu**, V.Trandafir, V.V.Jinga, M.Simionescu, *Studies concerning the proliferation of human endothelial cells on different varieties of collagen supports*, Al 2-lea Congres Internațional de Biologie Celulară și Moleculară, Iași, 7-10 iunie 2006.
15. V.Trandafir, D.M.Enescu, N.Iordache, **M.G.Albu**, *Tissue substitutes made up of composite collagenous systems*, International Symposium “Biomaterials 2006”, Essen, septembrie 2006.
16. **M.G.Albu**, M.Leca, *Rheological behaviour of collagen-drug gels for preparation of membranes*, International Conference on Physical Chemistry, RomPhysChem-12, Bucuresti, 6-8 septembrie 2006.
17. Z.Vuluga, V.Trandafir, C.Radovici, S.Serban, E.Vasile, R.Trusca, **M.G.Albu**, G.C.Potarniche, *Nanohibrid silicat stratificat/colagen pentru utilizari in cosmetica*, Al VIII-lea Simpozion International de Prodeuse Cosmetice si Aromatizante, Iasi, 31 mai – 3 iunie 2007.

18. I.Titorencu, V.Jinga, A.Lungu, V.Trandafir, **M.G.Albu**, I.Rau, H.Iovu, *New scaffold structure based on collagen fibrils.Fabrication.Structure characterization and biocompatibility evaluation*, International Conference on Frontiers of Polymers and Advanced Materials, Cracovia, 8-12 iulie 2007.
19. I.Titorencu, V.Jinga, V.Trandafir, **M.G.Albu**, M.Simionescu, *The influence of structural architecture of collagen scaffolds on human endothelial cells proliferation*, 7th International Symposium on Frontiers in Biomedical Polymers 2007, Ghent, 24-27 iunie 2007.
20. V.Trandafir, Z.Vuluga, V.Danciu, **M.G.Albu**, R.Trusca, C.Iancu, *Collagen biofoams as scaffolds for tissue engineering applications*, BIOFOAMS 2007, Capri, 26-28 septembrie 2007.
21. A.Lungu, **M. G. Albu**, V.Trandafir, *New Biocomposite matrices structures based on collagen and synthetic polymers designed for medical applications*, 15th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, 19-22 septembrie 2007.
22. I.Titorencu, **M. G. Albu**, V.Jinga, V.Trandafir, M.Simionescu, *The influence of crosslinking degree of collagen scaffold on osteoprogenitor cells proliferation*, 15th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, 19-22 septembrie 2007.
23. V.Trandafir, **M. G. Albu**, *Achievements and perspectives in the collagen-based biomaterials*, International Symposium Advanced Materials and Processes for Ecological Manufacturing of Leathers, București, 2 noiembrie 2007.
24. V.Trandafir, Z.Vuluga, V.Danciu, **M. G. Albu**, R.Trusca, C.Iancu, *Collagen-based Composite Aerogels for Medical Applications*, International Symposium Advanced Materials and Processes for Ecological Manufacturing of Leathers, București, 2 noiembrie 2007.
25. **M. G. Albu**, V.Trandafir, M.Leca, C.Carșote, *Caracterizarea unor sisteme collagen/gentamicină utilizate în cedarea controlată a medicamentelor*, International Symposium Advanced Materials and Processes for Ecological Manufacturing of Leathers, București, 2 noiembrie 2007.
26. M.Crudu, V.Trandafir, Ghe.Bostaca, O.Niculescu, **M. G. Albu**, *Pielea de peste – o noua resura de materie prima pentru industria de pielarie si alte domenii*, International Symposium Advanced Materials and Processes for Ecological Manufacturing of Leathers, București, 2 noiembrie 2007.
27. **M. G. Albu**, I.Titorencu, A.Lungu, V.Trandafir, V.Jinga, R.Trusca, *Biocompatibility of crosslinked collagen matrices with osteoprogenitor cells for bone defects repairing*, 8th World Biomaterials Congress, Amsterdam, 28 mai-1 iunie 2008.
28. Z.Vuluga, V.Trandafir, C.G.Potarniche, **M. G. Albu**, C.Radovici, D.Donescu, D.Iordachescu, D.M.Vuluga, *New Hybrid Nanocomposite Materials with potential use in tissue engineering*, 8th World Biomaterials Congress, Amsterdam, 28 mai-1 iunie 2008.
29. **M. G. Albu**, L.Popa, M.V.Ghica, M.Leca, V.Trandafir, *Collagen matrices for drug delivery: preparation, characterization and kinetics of release*, Congresul International "Interdisciplinaritate în Medicina Dentară Actuală", Timișoara, 25-28 iunie 2008.
30. **M. G. Albu**, M.V.Ghica, L.Popa, M.Leca, V.Trandafir, *In vitro kinetics release of doxycycline hyclate from collagen hydrogels*, International Conference on Physical Chemistry, Romphyschem-13, București, 3-5 septembrie 2008.
31. M.Olteanu, M.Florea-Spiroiu, V.Stănescu, D.Achimescu, **M. G. Albu**, V.Trandafir and Horia Iovu, *Characterization of dopped collagen-chitosan biomaterials*, International Conference on Physical Chemistry, Romphyschem-13, București, 3-5 septembrie 2008.
32. M.V.Ghica, L.Popa, **M. G. Albu**, M.Leca, S.Moiescu, *Ibuprofen pediatric suspensions designed and optimized by response surface methodology*, International Conference on Physical Chemistry, Romphyschem-13, București, 3-5 septembrie 2008.
33. L.Popa, M.V.Ghica, **M. G. Albu**, A.Anghel, S.Moiescu, *Development of antibiotic/antimicrobial-containing periodontal gels: formulation and preliminary characterization study*, International Conference on Physical Chemistry, Romphyschem-13, București, 3-5 septembrie 2008.
34. **M. G. Albu**, M.V.Ghica, M.Giurginca, V.Trandafir, L.Popa, *Antioxidant properties of immobilized tannic acid on collagen hydrogels and matrices*, ECOMAT 2008 – International Conference on Ecological Materials and Technologies, Bucuresti, 25-26 septembrie 2008.
35. E.Cremenescu, M.Giurginca, V.Trandafir, A.Meghea, **M. G. Albu**, *Antioxidant properties of natural polyphenol extracts*, ECOMAT 2008 – International Conference on Ecological Materials and Technologies, Bucuresti, 25-26 septembrie 2008.
36. L.Popa, M.V.Ghica, **M. G. Albu**, *A 3² experimental design for the preformulation studies of ascorbic acid stability in aqueous solution*, ECOMAT 2008 – International Conference on Ecological Materials and Technologies, Bucuresti, 25-26 septembrie 2008.
37. **M. G. Albu**, I.Titorencu, V.Trandafir, V.Jinga, *In vitro biocompatibility studies of human osteoprogenitor cells with collagen matrices*, ICAMS 2008 - 2nd International Conference on Advanced Materials and Systems, Bucuresti, 23-24 octombrie 2008.

38. V.Trandafir, D.Simion, **M. G. Albu**, B.Albu, T.Dragomir, *Biomateriale continand principii active din plante, pentru uz cosmetic si medical*, ICAMS 2008 - 2nd International Conference on Advanced Materials and Systems, Bucuresti, 23-24 octombrie 2008.
39. M.Ivan, **V.Trandafir**, **I.P.Suciu**, **M. G. Albu**, **I.Banda**, *Gestiunea riscurilor la fabricarea dispozitivelor medicale care utilizeaza tesuturi animale si derivatele lor*, ICAMS 2008 - 2nd International Conference on Advanced Materials and Systems, Bucuresti, 23-24 octombrie 2008.
40. V.Trandafir, **M. G. Albu**, I.Titorencu, V.Jinga, Trandafir, V., *Bioproduse pe bază de colagen cu aplicații în stomatologie*, Congresul Internațional de Medicină Dentară, București, 8-11 octombrie 2008.
41. M.V.Ghica, L.Popa, **M. G. Albu**, M.Leca, V.Trandafir, I.Predescu, *The influence of glutaraldehyde cross-linking on rheological behaviour and in vitro kinetics release of doxycycline from collagen/doxycycline hydrogels*, The third International Conference on Biomaterials and Medical Devices (BiomMedD'2008), Bucuresti, 13-16 noiembrie 2008.
42. I.Titorencu, **M. G. Albu**, V.Trandafir, I.Antoniac, V.Marinescu, V.Jinga, C.Cotrut, F.Miculescu, M.Simionescu, *Proliferation on endothelial cells on collagen/ doxycycline matrices*, The third International Conference on Biomaterials and Medical Devices (BiomMedD'2008), Bucuresti, 13-16 noiembrie 2008.
43. V.Trandafir, C.Petrou, D.Simion, T.Mavromoustakos, **M. G. Albu**, S.Mavromoustakos, M.Giurginca, *Matrices antipsoriatic devices based on collagen and Ficus Sycomorous extract*, The third International Conference on Biomaterials and Medical Devices (BiomMedD'2008), Bucuresti, 13-16 noiembrie 2008.
44. **M. G. Albu**, C.Cotrut, I.Titorencu, V.Trandafir, M.Giurginca, *Biomaterials based on collagen and tannic acid*, International Leather Engineers Symposium, Izmir, 29 aprilie – 1 mai 2009.
45. **M. G. Albu**, C.Cotrut, I.Titorencu, V.Trandafir, M.Giurginca, D.Simion, *Collagen biomaterials crosslinked with tannic acid*, Tex Tech II International Conference, București, 7-8 mai 2009.
46. M.V.Ghica, L.Popa, **M. G. Albu**, M.Leca, V.Trandafir, *Drug release and flow properties of collagen/doxycycline hyclate hydrogels designed for periodontal diseases treatment*, 16th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, 9-12 septembrie 2009.
47. L.Popa, M.V.Ghica, **M. G. Albu**, *Drug delivery systems based on collagen-doxycycline hyclate hydrogels crosslinked with tannic acid*, 16th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, 9-12 septembrie 2009.
48. A.Ficai, E.Andronescu, A.Ilie, G.Pall, **M. G. Albu**, *Porous collagen matrices mineralised in simulated body fluid*, 16th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, 9-12 septembrie 2009.
49. **M. G. Albu**, M.V.Ghica, E.Cremenescu, M.Leca, L.Popa, C.Borlescu, V.Trandafir, *Controlled drug delivery systems based on collagen-doxycycline matrices crosslinked with tannic acid*, 10th International Conference on Frontiers of Polymers and Advanced Materials, Santiago, 28 septembrie-2 octombrie 2009.
50. I.Titorencu, **M. G. Albu**, I.Antoniac, C.Cotrut, M.Giurginca, F.Miculescu V.Jinga, M.Simionescu, *In vitro biocompatibility of human endothelial cells with collagen-doxycycline matrices*, 10th International Conference on Frontiers of Polymers and Advanced Materials, Santiago, 28 septembrie-2 octombrie 2009.
51. M.V.Ghica, L.Popa, **M. G. Albu**, M.Leca, E.Constantin, M.C.Diaconu Mihaela Cristina, *Evaluarea comportării tixotrope a unor geluri de colagen*, Simpozionul Internațional Prioritățile Chimiei pentru o Dezvoltare Durabilă – PRIOCHEM, ediția a-V-a, Sinaia, 29-30 octombrie 2009.
52. **M. G. Albu**, M.V.Ghica, V.Trandafir, L.Popa, M.C.Diaconu, E.Constantin, *Comportarea reologică a unor geluri de colagen utilizate la realizarea membranelor pentru ambalaje alimentare*, Simpozionul Internațional Prioritățile Chimiei pentru o Dezvoltare Durabilă – PRIOCHEM, ediția a-V-a, Sinaia, 29-30 octombrie 2009.
53. V. Meltzer, E. Pincu, **M. G. Albu**, M. Dumitrașcu, R. Minea, E. Sima, *Influence of electron beam irradiation on collagen gels*, International Conference of Physical Chemistry, ROMPHYSICHEM 14, București, 2-4 iunie 2010.
54. **M. G. Albu**, M.V. Ghica, A. Ficai, I. Titorencu, L. Popa, *The influence of freeze-drying proces son porosity and kinetics release of collagen-doxycycline matrices*, The 3rd International Conference on Advanced Materials and Systems, Bucuresti, 16-18 septembrie 2010.
55. **M. G. Albu**, M.V. Ghica, A. Lungu, L. Popa, I-C. Stancu, M. Dumitrascu, E. Sima, *Lidocaine release from collagen dressings*, The 3rd International Conference on Advanced Materials and Systems, Bucuresti, 16-18 septembrie 2010.

56. M.V. Ghica, **M. G. Albu**, L. Popa, *Design and optimization of some topical delivery systems with lidocaine based on collagen for wound treatment*, The 3rd International Conference on Advanced Materials and Systems, Bucuresti, 16-18 septembrie 2010.
57. M. Leca, D. Sulea, M.V. Ghica, M. Micutz, **M. G. Albu**, L. Brazdaru, T. Staicu, L. Popa, *Collagen hydrogels containing chlorhexidine-digluconate: characterization and in vitro drug release*, The 3rd International Conference on Advanced Materials and Systems, Bucuresti, 16-18 septembrie 2010.
58. **M. G. Albu**, A. Lungu, N.M. Șulcă, I.C. Stancu, E. Vasile, H. Iovu, *Collagen porous scaffolds for bone tissue engineering*, 4th International Conference „Biomaterials, Tissue Engineering and Medical Devices” (BiomMedD'2010), Sinaia, 23-25 septembrie 2010.
59. **M. G. Albu**, M.V.Ghica, I.Titorencu, *Doxycycline-collagen delivery systems cross-linked with tannic acid*, 4th International Conference „Biomaterials, Tissue Engineering and Medical Devices” (BiomMedD'2010), Sinaia, 23-25 septembrie 2010.
60. A. Ficai, I.A. Nedelcu, A. Ilie, **M. G. Albu**, M.Ficai, G. Voicu, B.S.Vasile, D. Ficai, E. Andronescu, *Antiseptic materials containing silver nanoparticles*, 4th International Conference „Biomaterials, Tissue Engineering and Medical Devices” (BiomMedD'2010), Sinaia, 23-25 septembrie 2010.
61. L.C. Rusu, M.V. Ghica, L.C. Ardelean , **M. G. Albu**, *Assesment of lidocain collagen gels and matrices used in dentistry*, 11th International Symposium "Interdisciplinary Regional Research", Szeged, Ungaria, 13-15 octombrie 2010.
62. L.C. Rusu, M.V. Ghica, L.C. Ardelean , **M. G. Albu**, *Geluri si matrici colagenice cu lidocaina utilizate in stomatologie*, Al XII-lea Simpozion International: Tinerii si Cercetarea Multidisciplinara, Timisoara, 11-12 noiembrie 2010.
63. I. Zegrea, I. Lascar, A. Stefanescu, **M. G. Albu**, M. Popescu, D.G. Zamfirescu, *The repair of the peripheral nerves using a new type of biocompatibles artificial conduits – preliminary report*, The 11th International Congress of the Romanian Plastic Surgeons, Bucuresti, 10-12 noiembrie 2010.
64. A. Lungu, I. Titorencu, **M. G. Albu**, N. M. Florea, I. C. Stancu, E. Vasile, V. Jinga, H. Iovu, *Biocompatibility of Collagen Scaffolds for Bone Tissue Repair*, Hybrid Materials 2011 Second International Conference on Multifunctional, Hybrid and Nanomaterials, 6-10 Martie 2011, Strasbourg, Franta.
65. I. Titorencu, V. V. Jinga, E. Constantinescu, A. V. Gafencu, C. Zaharia, **M. G. Albu**, A. Valdescu, M. Simionescu, *Biological approaches to bone regeneration by tissue engineering and implantology*, Spring Training Course: Bioactive/biocompatible polymeric materials at Centre of Polymer and Carbon Materials, Polish Academy of Sciences, 6-13 martie 2011, Zabrze, Polonia.
66. **M. G. Albu**, V. Deselnicu, I. A. Ioannidis, C. Chelaru, *A new power tool for the evaluation of collagen type-I chemical functionalisation and stabilisation agents; part I: organic tanning agents*, II International Leather Engineering Congress: Innovative Aspects for Leather Industry, 12-13 Mai 2011, Izmir, Turcia.
67. Z. Vuluga, D.A. Kaya, C.A. Nicolae, C. Radovici, **M. G. Albu**, *The properties of natural zeolite modified with essential oil*, II International Leather Engineering Congress: Innovative Aspects for Leather Industry, 12-13 Mai 2011, Izmir, Turcia.
68. I. Titorencu, V.V. Jinga, E. Constantinescu, A.V. Gafencu, C. Zaharia, **M. G. Albu**, M. Simionescu, *Adult mesenchymal stem cells and cell-based bone tissue engineering*, Workshop Anual RAMSES and „Cologne Conference on Cardiac Regeneration and Cell Therapy – Symposium of the BMBF - Consortium on Stem Cell Therapy to the Heart” Conference, 11-14 mai 2011, Koeln, Germania.
69. I. Titorencu, **M. G. Albu**, A. Georgescu, V. Jinga, , F. Anton, *Collagen –dexamethasone and collagen-d₃ scaffolds for bone tissue engineering: an in vitro study*, 11th International Conference on Frontiers of Polymers and Advanced Materials, 22-27 Mai 2011, Pretoria, Africa de Sud.
70. M.V. Ghica, **M. G. Albu**, L. Popa, *Development and optimization of some periodontal hydrogels with collagen and minocycline hydrochloride*, 11th International Conference on Frontiers of Polymers and Advanced Materials, 22-27 Mai 2011, Pretoria, Africa de Sud.
71. **M. G. Albu**, D.A.Kaya, I. Titorencu, M.V. Ghica, L. Popa, *Collagen wound dressings with anti-inflammatory activity*, 11th International Conference on Frontiers of Polymers and Advanced Materials, 22-27 Mai 2011, Pretoria, Africa de Sud.
72. V. Hristov, **M. G. Albu**, L. Radev, T. Vladkova, *New 3D scaffolds for bone tissue engineering*, The 5th Scientific Conference on Materials Engineering and Technologies, 16-18 Mai 2011, Gdańsk, Polonia.
73. I. Antoniac, M.D. Vranceanu, **M. G. Albu**, *The influence of the ceramic phase on the structure of different resorbable biocomposites based on collagen*, 13th Ceramics, Cells and Tissue - Regenerative nanomedicine, Tissue and genetic engineering, and the role of the ceramic, 17-20 Mai 2011, Faenza, Italia.

74. M.V. Ghica, **M. G. Albu**, L. Popa, *Development and evaluation of some collagen-minocycline hydrogels using 3³ experimental design*, PharmSciFair, 3-17 iunie 2011, Praga, Republica Ceha.
75. I. Antoniac, **M. G. Albu**, F.Miculescu, A.Antoniac, C.Cotrut, *The advantage of collagen coating for different biodegradable materials used in regeneration of the abdominal tissue*, Tissue Engineering and Regenerative Medicine International Society (TERMIS) – Meeting, 7-11 iunie, Granada, Spania.
76. M.D Vrânceanu, R. Saban, I. Antoniac, **M. G. Albu**, *Biocomposite materials based on collagen for bone regeneration: structure, morphology and biodegradation*, 8th International Conference on Nanosciences & Nanotechnologies (NN11),12-15 iulie 2011, Thessaloniki, Grecia.
77. I. Zegrea, D. Zamfirescu, **M. Albu**, M. Popescu, I. Lascar, *A new collagen conduit for the regeneration of the peripheral nerves using tissue engineering techniques – preliminary results*, 3rd European Plastic Surgery Research Council, 25-28 august 2011, Hamburg, Germany.
78. M. Dumitrașcu, V. Meltzer, E. Sima, M. Virgolici, A. Ficai, M. G. Albu, R. Minea, V.I. Moise, *Characterization of electron beam irradiated collagen-polyvinylpyrrolidone (PVP) and collagen-dextran (DEX) blends*, 12th Tihany Symposium on Radiation Chemistry, 27August - 1 Septembrie, 2011, Zalakaros, Hungary.
79. M.V. Ghica, M. G. Albu, L. Popa, C. Borlescu, E. Cremenescu, C. Chelaru, St. Moiescu, *Characterization of Some Minocycline-Loaded Collagen Sponges Usable in Wound Healing*, 24th European Conference on Biomaterials, 4-9 Septembrie 2011, Dublin, Ireland.
80. **M. G. Albu**, A. Kaya, M. Ferdes, N. Badea, A. Meghea, *The effect of laurel and thymbra essential oils on proteic hydrolisates*, 17th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, 7-10 septembrie 2011.
81. E. Andronescu, D. Ficai, M. Sonmez, **M. G. Albu**, G. Voicu, A. Ficai, *Stratified Coll/HA composite materials for bone grafting*, 17th Romanian International Conference on Chemistry and Chemical Engineering, 7-10 septembrie 2011, Sinaia.
82. **M. G. Albu**, M. Crudu, I.A. Ioannidis, V. Deselnicu, C. Chelaru, *A new power tool for the evaluation of collagen type-I chemical stabilisation agents; Part II: Mineral tanning agents*, 31th IULTCS Congress, 27-30 Septembrie 2011, Valencia, Spania.
83. M. Dumitrașcu, V. Meltzer, E. Sima, M. Virgolici, **M. G. Albu**, V. Moise, R. Minea, *Non-isothermal kinetic analysis of irradiated collagen-PVP and collagen-DEX blends*, 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry, 7-10 September 2011, Craiova.
84. **M. G. Albu**, *Collagen-based biomaterials*, 2011 International Symposium on Environmental Friendly Polymer Materials & China Romania Bilateral Scientific and Technological Cooperation Program, 17-19 septembrie 2011, Zhengzhou, China.
85. G.A. Zainescu, **M. G. Albu**, P. Voicu, M. Mihalache, *Biodegradation of polymeric biomaterials*, 2011 International Symposium on Environmental Friendly Polymer Materials & China Romania Bilateral Scientific and Technological Cooperation Program, 17-19 septembrie 2011, Zhengzhou, China.
86. M. Dumitrașcu, V. Meltzer, E. Sima, A. Ficai, **M. G. Albu**, M. Virgolici, R. Minea, V.I. Moise, C. Vancea, *Characterization of electron beam irradiated polyvinylpyrrolidone-dextran (PVP/DEX) blends*, 4th International Conference on Advanced Materials and Structures - AMS'11, 27 - 28 October 2011 Timisoara.
87. A. Lungu, **M. G. Albu**, H. Iovu, *Inovative Collagen-Sericine Scaffolds*, *Biofuture 2011: Young European Biomaterial Scientists Designing A View For The Future*, 16-18 noiembrie 2011, Ghent, Belgia.
88. T. Vladkova, **M. G. Albu**, L. Radev, I. Titorencu, *New nanocomposites for bone tissue engineering scaffolds*, **1st Biotechnology World Congress, 14-15 februarie 2012, Dubai, UAE.**
89. S. Dinescu, B. Galateanu, O. Calciu, **M. Albu**, A. Cimpean, M. Costache, *Cell viability and adipogenic differentiation assessment in collagen-sericin-based 3D culture systems*, 3D Cell Culture 2012 DECHEMA, 13-17 martie 2012, Zurich, Elvetia.
90. M.V. Ghica, **M. G. Albu**, L. Popa, C.E. Dinu-Pirvu, St Moiescu, *Modeling, analysis and optimization of some topical minocycline-collagen delivery systems*, 12th European Symposium on Controlled Drug Delivery (ESCDD), 4-6 April, 2012, Egmond aan Zee, Olanda.
91. M.V. Ghica, **M. G. Albu**, I.Titorencu, A. Ficai, L. Popa, V. Prună, C.E. Dinu-Pirvu, St. Moiescu, *The influence of freeze-drying on properties of collagen-minocycline sponges*, International Conference “New trends in applied chemistry” (Chimia 2012), 24-26 Mai, 2012, Constanța, România.
92. A. Lungu, **M. G. Albu**, I.C. Stancu, E. Vasile, I. Titorencu, H. Iovu, *Development of innovative superporous collagen-sericine scaffolds loaded with hydroxyapatite designed for bone regeneration*, 9th World Biomaterials Congress (WBC), 1-5 iunie 2012, Chengdu, China.

93. S. Dinescu, R. Gustin, B. Galateanu, **M. Albu**, A. Cimpean, M. Costache, *Late adipogenic marker perilipin expression proves hADSC's differentiation potential*, **AI IV-lea Congres International si A XXX-a Sesiune Anuala a Societatii Romane de Biologie Celulara 13-17 iunie 2012**, Satu Mare (Romania) si Debrecen (Ungaria).
94. **M. G. Albu**, A. Lungu, I. Titorencu, I.C. Stancu, E. Vasile, V. Pruna, H. Iovu, *Collagen-sericin-hydroxyapatite composites for bone tissue engineering*, 5th International Conference "Biomaterials, Tissue Engineering & Medical Devices" BiomMedD'2012, 29 august – 1 septembrie 2012, Constanta, Romania.
95. V. Mitran, **M. G. Albu**, E. Vasile, M. Costache, A. Cimpean, *Enhanced biological performance of collagen-sericin hydrogels*, 5th International Conference "Biomaterials, Tissue Engineering & Medical Devices" BiomMedD'2012, 29 august – 1 septembrie 2012, Constanta, Romania.
96. S. Dinescu, B. Galateanu, R. Gustin, **M. Albu**, A. Cimpean, M. Costache, *Collagen-sericin 3D scaffold enhances adipogenic differentiation of hADSCs*, 22 IUMBM and 37th FEBS Congress From Single Molecules to systems Biology, 4-10 septembrie 2012, Sevilla, Spania.
97. Z. Vuluga, C.G. Sanporean, **M. G. Albu**, V. Trandafir, M. Ionescu, D.M. Vuluga, D. Florea, *Bionanocomposites based on collagen-modified layered silicate for biomedicine and bioactive food packaging*, Third International Workshop on Advanced Nano- and Biomaterials and Their Device Applications, 19-23 septembrie 2012, Timisoara, Romania.
98. R. Zgărian, R. Barbaresso, **M. G. Albu**, M.V. Ghica, A. Meghea, C. Ungureanu, I. Rau, *Collagen based materials for dental treatment*, Third International Workshop on Advanced Nano- and Biomaterials and Their Device Applications, 19-23 septembrie 2012, Timisoara, Romania.
99. **M. G. Albu**, I. Ioannidis, M.V. Ghica, V. Deselnicu, C. Chelaru, Gh. Coara, *Proteic ingredients for cosmetic products*, The 4th International Conference on Advanced Materials and Systems, 27-29 septembrie 2012, Bucuresti, Romania.
100. L. Brazdaru, M. Leca, M. Micutz, **M. G. Albu**, T. Staicu, *Stationary and dynamic rheological behaviour of some collagen hydrogels for wound management containing mixtures of chlorhexidine digluconate and tannic acid*, The 4th International Conference on Advanced Materials and Systems, 27-29 septembrie 2012, Bucuresti, Romania.
101. A. Ficai, E. Andronescu, **M. G. Albu**, A. Grumezescu, M. Sonmez, D. Ficai, *Synthesis and characterization of dense COLL/HA composite materials*, The 4th International Conference on Advanced Materials and Systems, 27-29 septembrie 2012, Bucuresti, Romania.
102. D.A. Kaya, **M. G. Albu**, Z. Vuluga, N. Cristian, *Collagen-essential oil spongy matrices: Thermal and enzymatic stability*, The 4th International Conference on Advanced Materials and Systems, 27-29 septembrie 2012, Bucuresti, Romania.
103. M.V. Ghica, **M. G. Albu**, Gh. Coara, C. Dinu Pirvu, *The influence of crosslinking agent on kinetic release and rheological behaviour of some collagen-niflumic acid hydrogels*, The 4th International Conference on Advanced Materials and Systems, 27-29 septembrie 2012, Bucuresti, Romania.
104. C.C. Tosun, **M. G. Albu**, H. Ozgunay, C. Chelaru, *The influence of tannic acid and valonea on collagen structure*, The 4th International Conference on Advanced Materials and Systems, 27-29 septembrie 2012, Bucuresti, Romania.
105. **M. G. Albu**, A. Lungu, I. Titorencu, I.C. Stancu, E. Vasile, H. Iovu, *New bone scaffolds based on collagen-sericin-hydroxyapatite*, *New biomimetics for bone tissue engineering*, Third International Conference on Multifunctional, Hybrid and Nanomaterials, 3-7 martie 2013, Sorrento, Italia.
106. T. Deyanova, L. Radev, **M. Albu**, I. Titorencu, P. Dineff, D. Gospodinova, T. Vladkova, *New biomimetics for bone tissue engineering*, Third International Conference on Multifunctional, Hybrid and Nanomaterials, 3-7 martie 2013, Sorrento, Italia.
107. Kaya DA, **Albu MG**, Vuluga Z, Duran N, Albu L, Mert A, *Antimikrobiyal Kollajen Yara Örtüsü*, Tarla Bitkileri Kongresi, 10-13 September, 2013, Konya, Turkey.
108. D.A. Kaya, N. Duran, F. Ayanoğlu, G.G. Duran, N. Eryilmaz, **M. G. Albu**, Z. Vuluga, *In vitro antimicrobial activity of Thymra spicata l. Essential oil for applications in medical implant coatings*, Program - Simpozionul International PRIOCHEM, editia a IX-a, 24 - 25 octombrie 2013, Bucuresti, Romania.
109. M. Inan, D.A. Kaya, **M. G. Albu**, Z. Vuluga, *the change of cyclotrichium niveum (boiss) manden & scheng. Essential oil and its componenets at the different growth stages*, Program - Simpozionul International PRIOCHEM, editia a IX-a, 24 - 25 octombrie 2013, Bucuresti, Romania.
110. M.V. Ghica, **M. G. Albu**, L. Popa, C.E. Dinu-Pîrvu, *Physico-chemical evaluation of some collagen-based sponges with niflumic acid*, Program - Simpozionul International PRIOCHEM, editia a IX-a, 24 - 25 octombrie 2013, Bucuresti, Romania.
111. A. Antoniac, M. Niculescu, **M. G. Albu**, *Collagen-dextran-hydroxyapatite composites for bone tissue engineering*, 25th Symposium and Annual Meeting of the International Society for Ceramics and Medicine (BIOCERAMICS 25), 7-10 noiembrie 2013, Bucuresti, Romania.

112. **M. G. Albu**, *Activitatea de CDI a INCDTP - catalizator al dezvoltării socio - economice în sectorul de textile - pielarie și în domeniul conexe*, Expoziția Realizărilor de Vârful Cercetării Românești, Versailles - Paris, 9 Iulie 2014.
113. M. G. Albu, I. Lascar, D.G. Zamfirescu, M. Simionescu, I. Zegrea, I. Titorencu, M. Popescu, G. Bumbeneci, *Conducteurs nerveux de collagène et leur processus d'obtention*, Expoziția Realizărilor de Vârful Cercetării Românești, Versailles - Paris, 9 Iulie 2014.
114. C. S. Ciobanu, S. L. Iconaru, A. M. Prodan, M. Motelica, R. Guegan, C. L. Popa, M. G. Albu, D. Predoi, *New Nanocomposites Based on Hydroxyapatite in Collagen Matrix for Environmental Applications*, 3rd Circular ISOS XVII BERLIN, Berlin, August 3 – 8, 2014.
115. **M. G. Albu**, *Collagen-based biomaterials for tissue regeneration*, „Biomaterials, Tissue Engineering & Medical Devices” (BiomMedD’2014), Constanța, 17-20 septembrie 2014. – INVITED SPEAKER.
116. **M. G. Albu**, *From idea to product: successful story of Romanian collagen wound dressings on European medical market*, WORKSHOP - SME's & Research Opportunities in the Field of Biomaterials and Medical Devices, Constanța, 17-20 septembrie 2014 – CHAIRMAN OF WORKSHOP.
117. **M. G. Albu**, D.A. Kaya, Z. Vuluga, N. Duran, M.V. Ghica, *Collagen-zeolite-essential oil biomaterials for skin infections*, 6th International Conference „Biomaterials, Tissue Engineering & Medical Devices” (BiomMedD’2014), Constanța, 17-20 septembrie 2014.
118. Z. Vuluga, D.A.Kaya, **M. G. Albu**, D.M.Vuluga, C.Radovici, M.C.Corobea, C.Fierascu, *Stability of zeolite-thyme essential oil compositions*, 6th International Conference „Biomaterials, Tissue Engineering & Medical Devices” (BiomMedD’2014), Constanța, 17-20 septembrie 2014.
119. M. Corobea, Z. Vuluga, A. Manescu, C. Ducu, R. Fierascu, I. Fierascu, C. Nicolae, **M. G. Albu**, I. Antoniac Iulian, *Clay science a viable approach for biomedical applications*, 6th International Conference „Biomaterials, Tissue Engineering & Medical Devices” (BiomMedD’2014), Constanța, 17-20 septembrie 2014.
120. M.V. Ghica, **M. G. Albu**, L. Popa, C.E. Dinu-Pîrvu, *Formularea, caracterizarea și evaluarea unor sisteme de cedare topică pe bază de colagen și acid tanic*, lucrare poster (P221) prezentată la Congresul Național de Farmacie din România cu participare internațională, ediția a XV-a (CNFR), Iași, 24-27 septembrie 2014, volum de rezumate, p. 271, ISBN 978-606-544-252-8.
121. M.V. Ghica, L. Popa, C.E. Dinu-Pîrvu, **M. G. Albu**, A. Orțan, *Parametri de curgere și tixotropie pentru caracterizarea reologică a hidrogelurilor*, lucrare poster (P220) prezentată la Congresul Național de Farmacie din România cu participare internațională, ediția a XV-a (CNFR), Iași, 24-27 septembrie 2014, volum de rezumate, p. 270, ISBN 978-606-544-252-8.
122. L. Popa, M.V. Ghica, **M. G. Albu**, C.E. Dinu-Pîrvu, *Elemente de proiectare a suspensiilor farmaceutice concentrate: udarea pulberilor, vâscozitatea și comportamentul la sedimentare*, lucrare poster (P218) prezentată la Congresul Național de Farmacie din România cu participare internațională, ediția a XV-a (CNFR), Iași, 24-27 septembrie 2014, volum de rezumate, p. 268, ISBN 978-606-544-252-8.
123. L. Popa, A. Dudilă, M.V. Ghica, C.E. Dinu-Pîrvu, **M. G. Albu**, B.M. Gălbinașu, I. Pătrașcu, *Metode de evaluare a contracției de polimerizare pentru rășini compozite fotopolimerizabile dentare*, lucrare poster (P84) prezentată la Congresul Național de Farmacie din România cu participare internațională, ediția a XV-a (CNFR), Iași, 24-27 septembrie 2014, volum de rezumate, p. 366, ISBN 978-606-544-252-8.
124. C. Chelaru, **M. G. Albu**, D.A. Kaya, A. Meghea, M. Ignat, Ș. Öztürk, M. Giurginca, S. Nalbat, M. Turkmen, L. Dinca, *Synthesis and characterisation of microcapsules based on natural biopolymers and laurel essential oil*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. **165-170**.
125. V.D. Constantin, B. Socea, A. Carap, A. Ciudin, Ghe. Popescu, **M. G. Albu**, *Biocompatibility - revolving issue for biomaterials in contaminated fields: novel therapeutic solutions for complicated incisional hernias*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 171-176.
126. N. Duran, G.G. Duran, D.A. Kaya, F. Ayanoglu, H. Ayanoglu, **M. G. Albu**, Z. Vuluga, *Antibacterial activities of selected medicinal plants against mrsa strains isolated from surgical wound infections*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 195-200.
127. X. Fan, N. Li, K. Tang, **M. G. Albu**, *Nano-TiO₂ hydrosol/collagen-chitosan composite scaffold for wound repairing*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 207-212.
128. N. Duran, G.G. Duran, D.A. Kaya, K. Jenedi, Ș. Öztürk, **M. G. Albu**, Z. Vuluga, *Novel anticancer compounds of propolis against three different cancer types*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 201-206.

129. X. He, F. Wang, K. Tang, **M. G. Albu**, *A novel collagen/ hydroxyapatite/ microcrystalline cellulose composite for bone tissue engineering*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 201-206.
130. M.V. Ghica, D.A. Kaya, **M. G. Albu**, L. Popa, C. Dinu-Pirvu, I. Cristescu, D.I. Udeanu, *Ibuprofen-collagen sponges for wound healing*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 213-218.
131. X. He, T. Yan, K. Tang, **M. G. Albu**, M.V. Ghica, *A novel bone scaffold material based on collagen/hydroxyapatite/gelatin composite*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 231-236.
132. D.A. Kaya, S. Sayin, M.Ferdes, **M. G. Albu**, N. Ünal, M. Türkmen, Ş. Öztürk, R-R. Constantinescu, M.V. Ghica, *The influence of marine algae and natural plant oils on collagen-based cream properties*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 237-242.
133. S. Marin, M.M. Marin, A-M. Ene, İ.K. Türker, C. Chelaru, **M. G. Albu**, M.V. Ghica, *Collagen-doxycycline spongy forms for infected tissues treatment*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 249-254.
134. W. Tian, Y. Pei, F. Wang, K. Tang, **M. G. Albu**, M.V. Ghica, *Swelling and drug release of poly(vinyl alcohol)/gelatin composite hydrogel*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 291-296.
135. O.C. Duta, D. Ficai, A. Ficai, E. Andronescu, R. Trusca, **M. G. Albu**, M. Radulescu, G. Mihaescu, L.M. Ditu, *Synthesis of antimicrobial materials with regenerative function by lbl method*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014.
136. V. Deselnicu, M. Crudu, G. Zainescu, **M. G. Albu**, D.C. Deselnicu, S-A. Guta, I. Ioannidis, R.R. Constantinescu, C. Chirila, D. Gurau, G. Macovescu, L. Alexandrescu, G. Bostaca, *INNOVA-LEATHER - innovative technologies for leather sector*, The 5th International Conference on Advanced Materials and Systems, Bucharest, 23-25 october 2014, volum rezumate pg. 579-584.
137. M.V. Ghica, **M. G. Albu**, D.A. Kaya, Ş. Öztürk, L. Popa, A. Orţan, *Collagen-lavandula oil-niflumic acid delivery systems*, The Second Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-2), Antalya, Turcia, 22-25 aprilii 2015.
138. D.A. Kaya, S. Saiyn, M.V. Ghica, **M. G. Albu**, C. Dinu-Pîrvu, *Experimental design as a tool to select the optimal operating conditions for essential oil extraction from laurel leaves*, The Second Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-2), Antalya, Turcia, 22-25 april 2015.
139. M.C. Corobea, Z.Vuluga, A. Manescu, D.A. Kaya, C.A. Nicolae, D.M. Vuluga, D. Florea, M. Iorga, **M. G. Albu**, *Investigation on New Clay – Essential Oils Systems*, The Second Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-2), Antalya, Turcia, 22-25 april 2015.
140. **M. G. Albu**, D.A. Kaya, N. Duran, F. Ayanoğlu, H. Asil, M. Ferdes, Z. Vuluga, C. Ciprian, *Collagen Hydrolysate-Zeolite-Essential Oil Antimicrobial Systems*, The Second Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-2), Antalya, Turcia, 22-25 april 2015.
141. M.V. Ghica, **M. G. Albu**, A. Ficai, Ş. Marin, M. Marin, A.M. Ene, I. Cristescu, *Design and characterization of some collagen-glass ceramic based-scaffolds with doxycycline for bone infection*, International Workshop Young Scientists Joining Forces for Excellence in Biomaterials Research, Bucharest, 28-29 mai 2015.
142. **M. G. Albu**, D.A. Kaya, Z. Vuluga, I. Titorencu, G. Paunica-Panea, V. Constantin, *Collagen biomaterials for wound healing*, International Workshop Young Scientists Joining Forces for Excellence in Biomaterials Research, Bucharest, 28-29 mai 2015.
143. **M. G. Albu**, A. Ficai, M.M. Marin, D.A. Kaya, R. Constantinescu, I. Cristescu, S. Marin, A.M. Ene, M.V. Ghica, *Antimicrobial hydrogels based on collagen and zinc oxide*, eCM XVI: Implant Infection, 24 - 26 iunie 2015, Congress Center, Davos, Switzerland.
144. M. G. Albu, E. Kutan, M. Veshler, C. Ozcakir-Tomruk, I. Cristescu, M.V. Ghica, *Efficacy of Doxicoll - a novel drug delivery systems for infected bone tissue*, eCM XVI: Implant Infection, 24 - 26 iunie 2015, Congress Center, Davos, Switzerland.
145. I.D. Bărbulescu, S.I. Marinescu, M. Begea, **M. G. Albu**, D. Duta, V. Ionescu, R. Tamaian, M.V. Ghica, *Optimization of the bioprocess for producing dry yeast biomass enriched with minerals*, lucrare poster (S2B-13) prezentată la 32nd International Specialized Symposium on Yeasts - Yeasts Biodiversity and Biotechnology in the Twenty-First Century (ISSY 32 13-17 septembrie 2015), Perugia, Italia.

146. **M. G. Albu**, M.V. Ghica, G.A. Stefanescu, M. Hodoroagea, L. Popa, C. Chelaru, MM. Marin, S. Marin, *Design and characterization of collagen-sodium carboxymethylcellulose-lidocaine 3D composites for wound management*, International Seminar on Biomaterials & Regenerative Medicine, 17-19 septembrie 2015, Oradea.
147. M.V. Ghica, A-A Watzlawek, E. Olaret, **M. G. Albu**, C.E. Dinu-Pîrvu, C. Chelaru, S. Marin, MM. Marin, *Collagen-niflumic acid spongiuous matrices for bone repairing*, International Seminar on Biomaterials & Regenerative Medicine, 17-19 septembrie 2015, Oradea.
148. **M. G. Albu**, D.A. Kaya, T. Vladkora, N. Duran, I. Ivanova, M.V. Ghica, *Antimicrobial Collagen Biomaterials*, International Seminar on Biomaterials & Regenerative Medicine, 17-19 septembrie 2015, Oradea.
149. M.V. Ghica, M.M. Marin, S. Marin, E. Danila, A.M. Ene, **M. G. Albu**, A.G. Simonca, *Collagen-hydroxyapatite-doxycycline scaffolds for infected bone treatment*, First European Conference on Orthopedic Biomaterials (ECOB), București, 20-21 octombrie 2015.
150. **M. G. Albu**, I. Titorencu, *Collagen Biomaterials for Bone Tissue Engineering*, First European Conference on Orthopedic Biomaterials (ECOB), București, 20-21 octombrie 2015.
151. **M. G. Albu Kaya**, D.A. Kaya, I. Titorencu, M. Türkmen, N. Duran, C. Chelaru, *The influence of laurel oil on antimicrobial activity and biocompatibility of collagen wound dressings*, The IV International Conference on Antimicrobial Research - ICAR2016", 29 iunie – 1 iulie 2016, Torremolinos-Malaga (Spania).
152. D.A. Kaya, **M. G. Albu Kaya**, Z. Vuluga, N. Duran, L. Albu, G. Panea-Paunica, V.D. Constantin, *Efficiency of ESSENTIALCOLL - a novel natural wound dressing for infected soft tissues*, The IV International Conference on Antimicrobial Research - ICAR2016", 29 iunie – 1 iulie 2016, Torremolinos-Malaga (Spania).
153. **M. G. Albu Kaya**, Antimicrobial collagen biomaterials, Workshop „Natural bioactive compounds for therapeutic textiles”, The IV International Conference on Antimicrobial Research - ICAR2016", 29 iunie – 1 iulie 2016, Torremolinos-Malaga (Spania).
154. D. A. Kaya, E. Danila, M. V. Ghica, **M. G. Albu Kaya**, M. Turkmen, *Selection of optimal operating conditions for extraction of Myrtus communis L. essential oil*, 47th International Symposium on Essential Oils - ISEO, 11-14 Septembrie 2016, Nice, Franta.
155. **M. G. Albu Kaya**, *3D collagen-based biohybrids for soft tissue regeneration*, The 5th International Conference on Tissue Engineering and Regenerate Medicine, 12-14 septembrie 2016, Berlin, Germania.
156. E.Olaret, A.Serafim, **M. G. Albu Kaya**, M.Ghica, I.C.Stancu, *Bicomponent hydrogels based on modified natural proteins*, the 7th International Conference “Biomaterials, Tissue Engineering & Medical Devices” BIOMMEDD’2016, 15-17 septembrie 2016, Constanta.
157. F.E. Constantinescu, I. Ciucă, **M. G. Albu Kaya**, I. Titorencu, C.N. Cumpătă, M. Răescu, M.V. Constantinescu, *Biocompatible and antimicrobial polymeric coatings for titanium alloy dental implants*, 2016 FDI Annual World Dental Congress, 7 – 10 septembrie 2016, Poznan, Poland.
158. S. Marin, M. Ghica, G. Voicu, C. Dinu Pirvu, **M. Albu Kaya**, *Smart hydrogels with anti-inflammatory properties for burn injuries*, BIOMATERIALS FOR HEALTHCARE: Biomaterials for Tissue and Genetic Engineering and the Role of Nanotechnology”, 1st biennial conference BioMaH 2016, 17-20 octombrie 2016, Roma, Italia.
159. M.M. Marin, A. Fikai, M.V. Ghica, L. Popa, **M. G. Albu Kaya**, *Collagen-lidocaine microcapsules with controlled release for tooth extraction pain*, BIOMATERIALS FOR HEALTHCARE: Biomaterials for Tissue and Genetic Engineering and the Role of Nanotechnology”, 1st biennial conference BioMaH 2016, 17-20 octombrie 2016, Roma, Italia.
160. M. M. Marin, M. V. Ghica, A. G. Simonca, I. Rau, **M. G. Albu-Kaya**, C. Dinu-Pirvu, C. Chirita, L. Popa, *Development and Evaluation of Some Metronidazole-Loaded Collagen Supports Designed for Periodontitis*, The 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
161. S. Marin, M. V. Ghica, I. Titorencu, **M. G. Albu Kaya**, M. Ferdes, C. Dinu Pirvu, V. Pruna, *Development and Characterization od Indomethacin Loaded Polyvinil Alcohol Collagen Smart Hydrogels for Burns Injuries*, The 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
162. Dănilă, Z. Moldovan, M. V. Ghica, **M. G. Albu Kaya**, V. Anuța, M. Demeter, C. Chiriță, *Dermatocosmetics facial masks fortropical treatment of acne*, The 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
163. I. B. Mihai, M. M. Marin, M. V. Ghica, **M. G. Albu Kaya**, L. C. Dinca, D. Dragusin, C. E. Dinu-Pirvu, *Collagen-indomethacin-hydroxyapatite spongiuous forms for bone reconstruction treatment*, The 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.

164. N. Manolache, **M. G. Albu Kaya**, I. C. Stancu, Ș. Marin, C. Chelaru, D. Drăgușin, V. Constantin, G. P. Panea, *Advanced collagen-insulin systems for diabetics*, The 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
165. C. Kilicarislan Ozkan, H. Ozgunay, S. Marin, **M. G. Albu Kaya**, *Investigation of dialdehyde corn starch as crosslinking agent in collagen-based wound dressing materials*, The 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
166. A. T. Biicin, E. Danila, **M. G. Albu Kaya**, C. Zaharia, S. Marin, I. Cristescu, *Collagen-Fibroin-Hydroxyapatite Scaffolds for Bone Tissue Engineering*, The 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
167. A. C. Burdusel, I. Stancu, I. B. Mihai, S. Marin, C. Chelaru, A. Serafim, S. Dragusin, **M. G. Albu Kaya**, G. Coara, *Development and Characterization of Collagen – Carboxymethylcellulose Materials for Lenses*, The 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
168. G. G. Duran, N. Duran, E. Ay, D. A. Kaya, **M. G. Albu Kaya**, *Synergistic Activities of the Essential Oils Hypericum perforatum with Methotrexate on Human Breast Cancer Cell Line MCF-7*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
169. N. Duran, G. G. Duran, E. Ay, D. A. Kaya, **M. G. Albu Kaya**, A. Mert, *In Vitro Cytotoxic Activity of Nigella sativa L. on Human Malignant Melanoma Cell Lines*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
170. G. Macovescu, C. Chelaru, **M. G. Albu Kaya**, L. Albu, *Medical Bioproducts Collagen Quantification by Hydroxyproline Determination*, Proceedings of ICAMS 2016 – 6th International Conference on Advanced Materials and Systems, 20-22 octombrie 2016, Bucuresti.
171. **E. Danila**, M. Popa, D.A. Kaya, M. Patrascu, Z. Moldovan, *A comparative study of antibacterial effect of lavender and lemon essential oils against acne causing bacteria Staphylococcus epidermidis*, 14th International Conference Student for Student, 25-30 aprilie 2017 Cluj-Napoca, Romania.
172. D.A. Kaya, **M.G. Albu Kaya**, Z. Vuluga, N. Duran, F. Ayanoglu, I. Titorencu, *Natural antimicrobial and biocompatible coatings for metallic implants*, Congresul de Medicina Dentara cu participare-Internationala-a-XXII-a Editie a Zilelor Stomatologice Banatene, 4-6 mai 2017, Timisoara.
173. M.M. Marin, **M.G. Albu Kaya**, A. Ficai, M.V. Ghica, L. Popa, R. Tutuianu, *Collagen hydrolysate-based ingestible bioproducts for the treatment of gastric disorders*, 2017 International Symposium on Environmental Friendly Polymer Materials & China Romania Bilateral Scientific and Technological Cooperation Program, 22-25 mai 2017, Zhengzhou, China
174. S. Bobic, V.D. Constantin, M.M. Marin, E. Danila, **M. Albu Kaya**, S. Marin, B. Socea, *Postoperative peritoneal adhesions prophylaxy using collagen-based biomaterials*, 2017 International Symposium on Environmental Friendly Polymer Materials & China Romania Bilateral Scientific and Technological Cooperation Program, 22-25 mai 2017, Zhengzhou, China
175. V.D. Constantin, A. Carâp, B. Socea, **M. Albu Kaya**, S. Marin, S. Bobic, *Tissue engineering- collagen sponge dressing for chronic wounds*, 2017 International Symposium on Environmental Friendly Polymer Materials & China Romania Bilateral Scientific and Technological Cooperation Program, 22-25 mai 2017, Zhengzhou, China
176. S. Marin, M.V. Ghica, G. Voicu, **M.G. Albu Kaya**, C. Dinu-Pirvu, V.D. Constantin, *Collagen - polyvinyl alcohol – indomethacin hybrid hydrogels for burn treatment*, 2017 International Symposium on Environmental Friendly Polymer Materials & China Romania Bilateral Scientific and Technological Cooperation Program, 22-25 mai 2017, Zhengzhou, China
177. M.V. Ghica, D.A. Kaya, **M. G. Albu Kaya**, C. Dinu-Pirvu, L. Popa, *Flufenamic acid-Collagen-Dextran Spongiuous Burn Dressings: Optimization and Characterization*, Congres Wound Care: From Innovations to Clinical Trials (WCICT), Manchester, UK, 20-21 Iunie 2017.
178. D.Zamfirescu, **M.G. Albu Kaya**, I. Titorencu, R. Tutuianu, V. Pruna, I. Muraru, A. Beedasy, M. Simionescu, *Zettaskin – the first trilaminar tissue engineering skin template – preliminary biomechanical, biocompatibility and fibroblasts and keratinocytes culture cells survival testing*, 9th European Plastic Surgery Research Council (EPSRSC), Bucuresti, Romania, 24-27 August 2017.
179. M.V. Ghica, L. Popa, I.D. Barbulescu, **M.G. Albu Kaya**, R. Teodorescu, R.N. Negrița, R. Avramescu, C. Mihai, M. Frincu, C. Dumitrache, S-I. Marinescu, V. Tudor, Al. Ciric, M. Begea, *Primary analysis of brewing yeast biomass powder for suspensions formulation*, 20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Poiana Brasov Romania, 6-9 Septembrie 2017.

180. A. Serafim, E. Olaret, **M.G. Albu Kaya**, M. Ghica, I.C. Stancu, Bicomponent hydrogels based on modified biopolymers, 20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Poiana Brasov Romania, 6-9 Septembrie 2017.
181. D-C. Ioan, G.T. Tihan, R.G. Zgarian, M.V. Ghica, **M.G. Albu Kaya**, C. Dinu Pirvu, I. Rau, New collagen-piroxicam based materials for oral applications, 20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Poiana Brasov Romania, 6-9 Septembrie 2017.
182. M.M. Marin, A.G. Simonca, I. Rau, M.V. Ghica, **M.G. Albu Kaya**, C. Chelaru, C. Dinu-Pirvu, *New treatment for dentistry regeneration based on metronidazole release from collagen/strontium sponges*, 20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Poiana Brasov Romania, 6-9 Septembrie 2017.
183. **M.G. Albu Kaya**, D.A. Kaya, Z. Moldovan, S. Marin, E. Danila, C. Chelaru, The influence of laurel oil microcapsules embedded into collagen wound dressings, 20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Poiana Brasov Romania, 6-9 Septembrie 2017.
184. D. Gudovan, D. Ficai, I.A. Gudovan, P. Balaure, R.D. Trusca, **M.G. Albu Kaya**, V. Mitran, A. Cimpean, A. Ficai, E. Andronescu, 3D-printed collagen-hydroxyapatite scaffolds modified with essential oils with anti-inflammatory/antibiotic properties, 20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Poiana Brasov Romania, 6-9 Septembrie 2017.
185. A. Subtirica, **M. Albu Kaya**, A.A-M. Chivu, A. Dorogan, Porous matrix made from natural and synthetic polymers through lyophilization technique with high water absorbtion capacity, Conferinta Internationala TEX TEH VIII "Creating the future of textiles", Bucuresti, Romania, 19-20 octombrie 2017.
186. A-I.Subtirica, **M.G. Albu Kaya**, A. A-M. Chivu, Chitosan and PVA porous tridimensional structures with high affinity for fluids, Simpozionul International "Prioritatile Chimiei pentru o Dezvoltare Durabila - PRIOCHEM XIII", Bucuresti, 25-27 octombrie 2017.
187. S. Bobic, V.D. Constantin, **M. Albu Kaya**, Ş. Marin, E. Dănilă, M. Dimitriu, B. Socea, *Postoperative peritoneal adhesions prophylaxy using collagen-based biomaterials*, 7th International Conference on Advanced Materials and Systems, Bucuresti, Romania, 18 – 20 octombrie 2018.
188. V.D. Constantin, A. Carâp, S. Bobic, V. Budu, **M. Albu Kaya**, Ş. Marin, M.M. Marin, B. Socea, *Tissue Engineering-Collagen Sponge Dressing for Chronic Wounds*, 7th International Conference on Advanced Materials and Systems, Bucuresti, Romania, 18 – 20 octombrie 2018.
189. R-D. Drăghici, M.M. Marin, M.V. Ghica, **M.G. Albu Kaya**, V. Anuța, C. Dinu-Pirvu, D.A. Kaya, Ghe. Coară, L. Albu, C. Chelaru, *Matrices Based on Collagen and Alginate for Relieving Injury Pains*, 7th International Conference on Advanced Materials and Systems, Bucuresti, Romania, 18 – 20 octombrie 2018.
190. A.D. Florea, E. Dănilă, R.R. Constantinescu, **M. Albu Kaya**, D.A. Kaya, Ghe. Coară, L. Albu, C. Chelaru, *Composite Scaffolds for Bone Regeneration Made of Collagen/Hydroxyapatite/Eucalyptus Essential Oil*, 7th International Conference on Advanced Materials and Systems, Bucuresti, Romania, 18 – 20 octombrie 2018.
191. S-A. Leau, Ş. Marin, Ghe. Coară, L. Albu, R.R. Constantinescu, **M. Albu Kaya**, I-A. Neacșu, *Study of Wound-Dressing Materials Based on Collagen, Sodium Carboxymethyl cellulose and Silver Nanoparticles used fort heir Antibacterial Activity in Burn Injuries*, 7th International Conference on Advanced Materials and Systems, Bucuresti, Romania, 18 – 20 octombrie 2018.
192. M.M. Marin, Ş. Marin, E. Dănilă, **M.G. Albu Kaya**, M.V. Ghica, L. Popa, R.M. Prisada, Ghe. Coară, C. Chelaru, *Influence of the Formulation and Preparation Technique on the Flufenamic AcidRelease from Different Collagenic Supports Designed for Wound Healing*, 7th International Conference on Advanced Materials and Systems, Bucuresti, Romania, 18 – 20 octombrie 2018.
193. M.V. Ghica, **M.G. Albu Kaya**, M. Begea, R.I. Teodorescu, L. Popa, C.E. Dinu-Pirvu, A.I. Ciric, S.I. Marinescu, V. Tudor, R.N. Negrila, I.D. Barbulescu, *A statistical approach to investigate the effects of biotechnological parameters on the obtaining and processing of brewing yeast biomass*, 2nd EuroSciCon Conference on Food Technology, Roma, Italia, 14-16 mai 2018.
194. M.V Ghica, **M.G. Albu Kaya**, D.I. Udeanu, S. Marin, M.M. Marin, D.A. Kaya, C. Dinu-Pirvu, L. Popa, *Collagen-sodium carboxymethylcellulose spongiuous matrices loaded with non-steroidal anti-inflammatory drug for burn healing*, International Conference „New trends in applied hemistry” (Chimia 2018), Constanta, Romania, 24-26 mai 2018
195. **D. Elena**, Z. Moldovan, M.C. Chifiriuc, M. Bucur, D.A. Kaya, M. Patrascu, **M. Albu Kaya**, *Dermatocosmetic emulsions based on collagen and essential oils used as a potential treatment for acne*, 1st International Conference Chemistry for Beauty and Health, Universitatea Nicolaus Copernicus, Polonia, Torun, 13-16 iunie 2018

196. I. Calina, M. Demeter, C. Vancea, M. Micutz, T. Staicu, **M. Albu Kaya**, E-beam cross-linking of collagen-co-poly(vinylpyrrolidone)-poly(ethylene oxide) triblock superabsorbant hydrogels, 82nd Prague Meeting on Macromolecules and 24th Polymer Networks Group Meeting, Praga, Cehia, 17-21 iunie 2018
197. M. Lemnaru, **M.G. Albu-Kaya**, M. Sonmez, V. Mitran, D. Fikai, A. Fikai, D. Gudovan, A. Campean, E. Andronescu, *Collagen/Hydroxyapatite Bio-Compatible Scaffolds Obtained Through 3D Printing*, 9th International Conferences on Nanotechnology: Fundamentals and Applications (ICNFA'18), Madrid, Spain, 19-21 August 2018.
198. **M.G. Albu Kaya**, D.A. Kaya, Collagen: from animal tissues to 3D printing biomaterials for tissue engineering, 1st International Erciyes Agriculture, Animal and Food Sciences Conference (AgAnFoS2019), Kayseri, Turcia, 24-27 aprilie 2019.
199. M-M. Marin, **M.G. Albu Kaya**, J. Ghitman, I. Biru, R. Constantinescu, H. Iovu, Studies on the properties of type II collagen as potential biomaterial in cartilage regeneration, European Polymer Congress, Creta, Grecia, Iunie 9-14, 2019.
200. M-M. Marin, **M.G. Albu Kaya**, J. Ghitman, I. Biru, H. Iovu, The effects of cross-linking agents on the properties of type II collagen biomaterials, 21st Romanian International Conference on Chemistry and Chemical Engineering, Constanta- Mamaia, Romania, 4 – 7 September, 2019.
201. M.M. Marin, **M.G. Albu-Kaya**, M.V. Ghica, R. Constantinescu, S. Marin, C. Dinu Pîrvu, *Evaluation of microencapsulated doxycycline designed for local treatment of infectious arthritis*, World Congress on Chemistry (WCC 2019), 24-25 October 2019, Valencia, Spain.
202. S. Marin, **M.G. Albu-Kaya**, M.M. Marin, A. Fikai, D. Fikai, C. Nitipir, *Colagen-hydroxyapatite-eugenol acetate spongy fillers as new therapy against bone cancer*, World Congress on Chemistry (WCC 2019), 24-25 October 2019, Valencia, Spain.
203. M.M. Marin, I. Radu, **M.G. Albu-Kaya**, H. Iovu, *Novel Biomaterials Based on Type II Collagen with 2-Hydroxyethyl Methacrylate and N-Vinyl-2-Pyrrolidone for Tissue Regeneration*, Bucharest Polymer Conference 2nd Edition, 10 - 11 June 2021, Romania.
204. M.M. Marin, R. Leu, **M.G. Albu-Kaya**, E. Alexandrescu, S. Preda, H. Iovu, R. Ianchis, *Development of New Collagen/Clay Composite Biomaterials*, Bucharest Polymer Conference 2nd Edition, 10 - 11 June 2021, Romania.
205. Mihaela Violeta Ghica, **Madalina Georgiana Albu Kaya**, Denisa Ioana Udeanu, Cristina Dinu-Pîrvu, Lacramioara Popa, Minodora Maria Marin, Valentina Anuta, Stefania Marin, Durmus Alpaslan Kaya, Razvan Mihai Prisada, Design and evaluation of some drug delivery topical multiparticulate systems for burn treatment, Congresul National de Farmacie din Romania (CNFR) - Editia a XVIII-a, On-line, 15-17.09.2021
206. Mihaela Violeta Ghica, **M.G. Albu-Kaya**, Cristina Dinu-Pîrvu, Lacramioara Popa, Denisa Ioana Udeanu, Minodora Maria Marin, Stefania Marin, Durmus Alpaslan Kaya, Valentina Anuta, Razvan Mihai Prisada, Collagen - a versatile biopolymer for biomedical and dermatocosmetic applications, Congresul National de Farmacie din Romania (CNFR) - Editia a XVIII-a, On-line, 15-17.09.2021
207. M.V. Ghica, **Madalina Georgiana Albu Kaya**, C.E. Dinu-Pîrvu, L. Popa, Maria Minodora Marin, A.G. Simonca, I. Rau, V. Anuta, **Ciprian Chelaru**, A. Lupuliasa, Design and evaluation of some topical biocomposites based on collagen, hyaluronic acid and metronidazole for periodontitis treatment, Congresul Universitatii de Medicina și Farmacie „Carol Davila” - Editia a 9-a, București, 25-27.11.2021
208. E.E. Tudoroiu, M.V. Ghica, C.E. Dinu-Pîrvu, L. Popa, **M.G. Albu-Kaya**, V. Anuța, R.M. Prisada, B.S. Velescu, A.R. Orțan, Analysis of in vitro release profiles and rheological parameters for some naproxen-based topical semi-solid systems, International Conference on Rheology: Understanding the Viscoelastic Behavior of Materials – Progress and Challenges , Iasi, Romania, 26.05.2022.
209. D.C. Popovici, N. Mederle, A.M. Marin, M.M.F. Moraru, **M.G. Albu-Kaya**, O. Ionescu, Evaluation of the parasitic load in the fallow deer (Dama dama L.) from Arad County by coproparasitologic methods, 5th Multidisciplinary Conference on Sustainable Development, Section:Veterinary Medicine, Timisoara, Romania, 26-27.05.2022.
210. **M.G. Albu-Kaya**, M.M. Marin, D. A. Kaya, R. Constantinescu, I.C. Gifu, B. Trica, E. Alexandrescu, C. Mihaescu, C.L. Nistor, C. Petcu, H. Iovu, R. Ianchis, Microbial polysaccharide crosslinked hydrogels as bioactive wound dressing, 22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22) Sinaia, Romania, 7-9.09.2022.
211. M.M. Marin, **M.G. Albu-Kaya**, R. Constantinescu, I.C. Gifu, B. Trica, E. Alexandrescu, S. Preda, C. Mihaescu, C.L. Nistor, C. Petcu, H. Iovu, R. Ianchis, Polysaccharide-based formulation with silica nanoparticles. A Novel Hydrogel for 3D Printing, 22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), Sinaia, Romania, 22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22), Sinaia, Romania, 7-9.09.2022.
212. M.M. Marin, G. Bumbeneci, R. Constantinescu, C. Chelaru, **M. Albu Kaya**, New Cosmetics Based On Collagen And Caffeine With Antimicrobial Activity, ICAMS 2022, Bucuresti, Romania, 26-28.10.2022.
213. **M.G. Albu Kaya**, M. V. Ghica, C.-E. Dinu-Pîrvu, L. Popa, E. Dănilă, C. Chelaru, V. Anuța, D. A.Kaya, M.-T. Talianu, A.-M. Stavri, Hair masks based on keratin and collagen, ICAMS 2022, Bucuresti, Romania, 26-28.10.2022.

214. E.-E.Tudoroiu, M.V. Ghica, **M.G. Albu-Kaya**, C.-E. Dinu-Pîrvu, L. Popa, V. Anuța, R.M. Prisada, Rheological characterization of some cellulose derivatives-based hydrogels, ICAMS 2022, Bucuresti, Romania, 26-28.10.2022.
215. M. Demeter, Negrescu, A. Cîmpean, A. Scărișoreanu, I. Călina, **Madalina Albu Kaya**, Hydrogel with hybrid structure designed for chemotherapeutic drug delivery obtained in situ by e-beam crosslinking, 14th International Conference on Physics of 5th Annual Autumn School on Advanced Materials, Dubrovnik, Croatia, 8-15.09.2022.
216. **Albu Kaya M.**, Collagen – Biomaterial for Health, BeHEALTH 2022, Online International Event in Healthcare!, 25-27 octombrie 2022.
217. Maria Demeter, Andreea Mariana Negrescu, Anisoara Cimpean, Ion Călina, Anca Scărișoreanu, **Mădălina Albu Kaya**, Marin Micutz, Bogdana Mitu, Veronica Satulu, Marius Dumitru-Grivei, Biocompatible collagen based-hydrogels with a hybrid structure developed by e-beam irradiation technology, International Conference on Radiation Applications, Anavyssos, Greece, 29.05.–02.06. 2023
218. S. Dinescu, A.D. Lazar, Maria Minodora Marin, **Madalina Georgiana Albu-Kaya**, M. Costache, Biocompatibility assessment and cytoskeleton development of human skin cells in contact with a novel biohybrid loaded with curcumin and quercetin for potential wound healing applications, 47th FEBS Congress – ‘Together in bioscience for a better future’, Tours, France, 8–12.07. 2023.
219. Maria Minodora Marin, **Madalina Albu Kaya**, Cristina Stavarache, Rebeca Leu Alexa, Ioana Catalina Gifu, Elvira Alexandrescu, Silviu Preda, Andrada Serafim, Horia Iovu, Raluca Ianchis, Novel 3D Printed Polysaccharide/Clay Biomaterials, 3rd Bucharest Polymer Conference (3rd BPC), Bucuresti, 7-10.06.2023.
220. Raluca Ianchis, Rebeca Leu Alexa, Maria Minodora Marin, **Mădălina Albu Kaya**, Ioana Catalina Gifu, Elvira Alexandrescu, Silviu Preda, Cristina Lavinia Nistor, Cristian Petcu, Preparation and investigation of novel bicomponent polysaccharide hydrogel inks, The 6th International Conference; Emerging Technologies in Materials Engineering EmergeMAT, Bucuresti, Romania, 9-10.11.2023
221. **Albu Kaya M.**, Multiparticulate delivery systems based on collagen and antiinflammatory drugs, BeHEALTH 2023, Hibrid International Event in Healthcare!, 24-26 octombrie 2023.
222. M.G. Albu Kaya, Collagen-sericin biohybrids for tissue engineering, International Symposium on Biomass Resources and Materials, Zhengzhou, China, 25-28 martie 2024
223. M.G. Albu Kaya, COLLAGEN - Biomaterial for health, International Symposium on Biomass Resources and Materials, Zhengzhou, China, 25-28 martie 2024
224. M.G. Albu Kaya, Multiparticulate delivery systems based on collagen and antiinflammatory drugs, International Symposium on Biomass Resources and Materials, Zhengzhou, China, 25-28 martie 2024
225. Ghica Mihaela Violeta, Albu Kaya Mădălina Georgiana, Dinu-Pîrvu Cristina Elena, Popa Lăcrămioara, Anuța Valentina, Kaya Durmuş Alpaslan, Prisada Răzvan Mihai, Udeanu Denisa Ioana, Velescu Bruno Ștefan, Tudoroiu Elena-Emilia, Luca Ioana, Talianu Marina-Theodora, Model study for rheological and kinetic analysis of some topical gels International Symposium on Biomass Resources and Materials, Zhengzhou, China, 25-28 martie 2024
226. E.E. Tudoroiu, M.V. Ghica, M.G. Albu Kaya, C.E. Dinu-Pîrvu, L. Popa, I. Titorencu, D.I. Udeanu, V. Anuța, M.M. Marin, R.M. Prisada, Design, evaluation and optimization of new collagen-hydroxyethylcellulose wound dressings loaded with naproxen, Congressus Pharmaceuticus Hungaricus (CPH) XVII and EUFEPS Annual Meeting, Debrecen, Ungaria, 23-25 mai 2024
227. M.V. Ghica, I. Luca, M.G. Albu Kaya, C.E. Dinu-Pîrvu, L. Popa, E.E. Tudoroiu, I. Titorencu, V. Anuța, M.M. Marin, Biocompatibility and morphology evaluation of some topical supports based on collagen and mucoadhesive polymers designed for vaginal applications, Congressus Pharmaceuticus Hungaricus (CPH) XVII and EUFEPS Annual Meeting, Debrecen, Ungaria, 23-25 mai 2024
228. Elena Dănilă, Alina Coman, Mădălina Albu, Minodora Marin, Extraction and characterization of fish collagen hydrogel from Northern pike (*Esox lucius*) with potential application in skin wound healing, CHEMISTRY FOR BEAUTY AND HEALTH International Conference, Cracovia, Polonia, 12-16.06.2024
229. Alina Coman, Mădălina Albu, Minodora Marin, Elena Dănilă, Marine resources as main ingredients for biomaterials: obtaining and characterisation, 24th Futures Conference: FUTURES OF NATURAL RESOURCES, Turku, Finlanda, 12-16.06.2024
230. Alina Elena COMAN, Mădălina Georgiana ALBU KAYA, Elena-Emilia TUDOROIU, Denisa Ioana UDEANU, Mihaela Violeta GHICA Collagen Extracted from Perch Skin: Rheological Characterization and in vivo Animal Studies, Proceedings of ICAMS 2024
231. Ioana LUCA, Mădălina Georgiana ALBU KAYA, Cristina-Elena DINU-PÎRVU, Lăcrămioara POPA, Valentina ANUȚA, Răzvan Mihai PRISADA, Elena-Emilia TUDOROIU, Mara Mihaela RĂDUCAN, Elena-Denisa TRANDAFIR, Mihaela Violeta GHICA

Lista participarilor la manifestari stiintifice nationale

1. V.Trandafir, G.Popescu, D.Nuță, **M. G. Albu**, M.Georgescu, G.Grisnic, A New Concept of Cosmetic Product–Collagen Transdermal Membrane Containing Bioactive Vegetal Extract, Al-II-lea Simpozion Național: Biomaterialele – prezent și perspective, București, 21-22 iunie 2001.
2. V.Trandafir, G.Bostaca, V.Brătulescu, **M. G. Albu**, O.Niculescu, Consideratii privind valorificarea pieilor de peste ca piei finite si/sau preparate colageniceposter, A XII-A Conferință Romană de Textile și Pielărie, CORTEP 2002, Iași, 17-19 octombrie 2002.
3. V.Trandafir, H.Akutsu, L.Albu, B.G.Albu, P.Budruga, V.Brătulescu, **M. G. Albu**, Matrici colagenice hidratate – suport pentru culturi celulare în organogeneză, A XXVII-A Conferință Națională de Chimie, Călimănești Căciulata, 23-25 octombrie 2002.
4. V.Trandafir, V.Brătulescu, V.Buksz, C.Vlad, **M. G. Albu**, Noi produse naturale obținute din deșeuri de pește utilizând tehnologii ecologice, A XXVII-A Conferință Națională de Chimie, Călimănești Căciulata, octombrie 2002.
5. V.Trandafir, M.Leca, **M. G. Albu**, Caracterizarea unor geluri de colagen si matrici spongioase folosite ca support in culturi de celule, Zilele Academice Iesene, a XVII-a sesiune de comunicari stiintifice a I.Ch.M.“Petru Poni”, Progrese in stiinta compusilor organici si macromoleculari, Iasi, 11-12 septembrie 2003.
6. B.Albu, L.Tarko, V.Trandafir, **M. G. Albu**, Corelatii între structura morfologica si eficienta in transportul ionic a componentelor biologic active din membrane polimerice colagenice, Zilele Academice Iesene, a XVII-a sesiune de comunicari stiintifice a I.Ch.M.“Petru Poni”, Progrese in stiinta compusilor organici si macromoleculari, Iasi, 11-12 septembrie 2003.
7. **M. G. Albu** și M.Leca, Prepararea și caracterizarea reologică a unor geluri de colagen tip I utilizabile pentru obținere de matrici poroase, Conferința Cercetarea Științifică în Condițiile Integrării Europene, Brăila, 28-29 mai 2004.
8. V.Trandafir, M.D.Enescu, R.Albulescu, T.Popescu Negreanu, **M. G. Albu**, M.Albulescu, Tissue substitutes made up of inserted collagen membranes, Simpozion “VIASAN”, Bucuresti, 3 noiembrie 2004.
9. M.Crasmaru, V.Trandafir, **M. G. Albu**, Creme si unguente pe baza de complecsi nucleoproteici extrasi din pesti marini, Simpozion “Protectia si gestionarea durabila a ecosistemului Marii Negre, Imperativ al Mileniului III”, Constanta, 29-31 octombrie 2005.
10. G.L.Radu, V.Trandafir, M.Diaconu, **M. G. Albu**, Collagen based myelin substitutes used in neurosurgery, Al V-lea Simpozion Național de Biomateriale, „Biomateriale si Aplicatii Medico-Chirurgicale”, Iasi, 28-29 octombrie 2005.
11. Z.Vuluga, V.Trandafir, D.Donescu, C.Radovici, M.Albulescu, **M. G. Albu**, S.Serban, New intelligent nanostructures system with high degree of biocompatibility for medical applicatios, Al V-lea Simpozion Național de Biomateriale, „Biomateriale si Aplicatii Medico-Chirurgicale”, Iasi, 28-29 octombrie 2005.
12. V.Trandafir, D.Iordăchescu, V.Danciu, **M. G. Albu**, A.Cimpean, V.Mitran, Matrici compozit pe baza de colagen si aerogel de TiO2 utilizate ca suport 3D in culturi de osteoblaste, Simpozion National VIASAN, Bucuresti, 26-28 octombrie 2006.
13. I.Cristescu, V.Trandafir, A.Petrec, **M. G. Albu**, D.G.Zamfirescu, Evolutia defectelor in ortopedie prin tratament adjuvant cu biomateriale colagenice, Al XII-lea Congres Național al Societății Române de Ortopedie și Traumatologie, Targu Mures, 15-17 octombrie 2007.
14. L.Baia, M.Baia, V.Danciu, **M. G. Albu**, V.Coșoveanu, D.Iordăchescu, V.Trandafir, Biocompozite pe bază de colagen de tipul I și aerogel de TiO2, Simpozionul Național de Biomateriale “Biomateriale și Aplicații Medico-Chirurgicale”, ediția VI-a, Cluj Napoca, 18-20 octombrie 2007.
15. A.Lungu, **M. G. Albu**, V.Trandafir, H.Iovu, Structuri matriceale compozite colagen-polimeri sintetici biocompatibili, Simpozionul Național de Biomateriale “Biomateriale și Aplicații Medico-Chirurgicale”, ediția VI-a, Cluj Napoca, 18-20 octombrie 2007.

16. M.Olteanu, V.Trandafir, I.Mihalcea, M.Florea-Spiroiu, **M. G. Albu**, Collagen scaffold dopped with silver nanoparticles by gamma irradiation, Al-IX-lea Simpozion National de Chimia Coloizilor si Suprafetelor, Galati, 29-20 mai 2008.
17. I.Titorencu, **M. G. Albu**, V.Trandafir, V.Jinga, M.Simionescu, Proliferarea celulelor osteoprogenitoare umane pe matrici colagenice cu diferite grade de reticulare, A XXVI-a Intalnire Anuala a SNBC, Cluj-Napoca, 12-15 iunie 2008.
18. I.Titorencu, V.Jinga, **M. G. Albu**, V.Trandafir, M.Simionescu, Colonizarea cu celule endoteliale umane si identificarea potentialului lor angiogenic pe diferite matrici colagenice cu aplicabilitate in ingineria osoasa tisulara, A XXVII-a Sesiune Anuala a Societatii Romane de Biologie Celulara, Bistrita, 11-14 iunie 2009.
19. I.Titorencu, V.V.Jinga, **M. G. Albu**, V.Trandafir, M.Simionescu, *Endothelial cell colonization and angiogenic potential of different collagen scaffolds for bone tissue engineering*, ICBP: 30th Anniversary Symposium: "30 years on route from cell biology to molecular medicine", Bucuresti, 11-12 septembrie 2009.
20. **M. G. Albu**, L.Popa, M.V.Ghica, M.Leca, E.Cremenescu, C.Borlescu, V.Trandafir, *Drug delivery systems based on collagen and doxycycline for infection prophylaxy in bone*, Simpozionul Național de Biomateriale "Biomateriale și Aplicații Medico-Chirurgicale", Ediția a-VII-a, Simpozion în cadrul Congresului Național de Ortopedie și Traumatologie București, 21-22 octombrie 2009.
21. I.Titorencu, **M. G. Albu**, V.Jinga, V.Trandafir, C.Zaharia, M.Simionescu, *Human Endothelial Cell and Human Osteoprogenitor Cells Colonization of Different Collagen Scaffolds with Applicability in Bone Tissue Engineering*, Simpozionul Național de Biomateriale "Biomateriale și Aplicații Medico-Chirurgicale", Ediția a-VII-a, Simpozion în cadrul Congresului Național de Ortopedie și Traumatologie București, 21-22 octombrie 2009.
22. I. Titorencu, **M. Albu**, V. Jinga, V. Trandafir, C. Zaharia, M. Simionescu, *Coloniizarea cu celulele endoteliale umane si celule osteoprogenitoare umane a diferitelor matrici colagenice cu aplicabilitate in ingineria tisulara osoasa*, A XXVIII-a Sesiune Anuala a Societatii Romane de Biologie Celulara, Constanta, 9-12 iunie 2010.
23. **M. G. Albu**, Z. Vuluga, M. Iorga, D. Florea, *The properties of multilayered films based on LDPE nanocomposites and collagen membranes*, A XXXI-a Conferinta Nationala de Chimie, 6-8 octombrie 2010.
24. I. Titorencu, V.V. Jinga, E. Constantinescu, A.V. Gafencu, C. Zaharia, **M. Albu**, A. Vladescu, M. Simionescu, *Mesenchymal stem cells in osteobiology and bone regeneration*, Conferinta Diaspora in Cercetarea Stiintifica si Invatamantul Superior din Romania, Bucuresti, 21-24 septembrie 2010.
25. M.V. Ghica, L. Popa, **M. G. Albu**, E. Constantin, *Doxycycline hyclate delivery systems with collagen support designed for soft infected tissues treatment*, Al XIV-lea Congres National de Farmacie din Romania, Targu-Mures, 13-16 octombrie 2010.
26. I.Titorencu, **M. G. Albu**, F. Anton, A. Georgescu, V. Jinga, M. Simionescu, *Collagen –dexamethasone and collagen-d₃ scaffolds for bone tissue engineering: an in vitro study*, A XXVIII-a Sesiunea Anuala a S.R.B.C, Arad, 8-12 iunie 2011.
27. **M. G. Albu**, C.A. Nicolae, D.A. Kaya, Z. Vuluga, Proprietatile biomaterialelor pe baza de colagen si uleiuri esentiale, *Prioritățile Chimiei Pentru O Dezvoltare Durabilă - Priochem - ed. AVIIa*, 27-28 octombrie 2011, Bucuresti.
28. **M. G. Albu**, A. Lungu, I.C. Stancu, E. Vasile, H. Iovu, *Superporous sericin-collagen scaffolds*, Workshop - Noi concepte si strategii pentru dezvoltarea cunoasterii unor noi structuri biocompatibile in bioinginerie, 13-14 iulie 2012, Bucuresti, Romania.
29. I. Titorencu, V.Pruna, **M. G. Albu**, V. Jinga, M. Simionescu, *Cytocompatibility evaluation of composite collagen-sericin three dimensional*, Workshop - Noi concepte si strategii pentru dezvoltarea cunoasterii unor noi structuri biocompatibile in bioinginerie, 13-14 iulie 2012, Bucuresti, Romania.
30. S. Dinescu, B. Galateanu, **M. Albu**, R. Gustin, A. Cimpean, D.Iordachescu, M. Costache, *hADSCs viability and adipogenic potential in collagen and collagen-sericin biomatrices*, Workshop - Noi concepte si strategii pentru dezvoltarea cunoasterii unor noi structuri biocompatibile in bioinginerie, 13-14 iulie 2012, Bucuresti, Romania.
31. S. Dinescu, B. Galateanu, O. Calciu, **M. Albu**, A. Cimpean, M. Costache, *Cell viability and adipogenic differentiation assessment in collagen-sericin-based 3D culture systems*, Workshop - Noi concepte si strategii pentru dezvoltarea cunoasterii unor noi structuri biocompatibile in bioinginerie, 13-14 iulie 2012, Bucuresti, Romania.
32. **M. G. Albu**, A. Lungu, I. C. Stancu, N. M. Florea, E. Vasile, H. Iovu, *Collagen-chondroitin sulfate scaffolds for bone tissue engineering*, Workshop - Noi concepte si strategii pentru dezvoltarea cunoasterii unor noi structuri biocompatibile in bioinginerie, 13-14 iulie 2012, Bucuresti, Romania.

33. M.V. Ghica, L. Popa, **M. G. Albu**, A. Antoniac, *Wetting behaviour of some spongy forms based on collagen and doxycycline crosslinked with tannic acid*, International Seminar on Biomaterials & Regenerative Medicine BioReMed'2013 și Simpozionul Național de Biomateriale "Biomateriale și Aplicații Medico-Chirurgicale", ediția a IX-a, Iași, 30 mai – 2 iunie 2013, Iași, Romania.
34. V. Pruna, R. Radulescu, I. Titorencu, **M. G. Albu**, V.V. Jinga, M. Simionescu, Evaluation of biocompatibility and osteoinductive potential of scaffolds made of collagen and collagen-hydroxyapatite with sericine addition, The 5th International Congress and The 31th Annual Scientific Session of Romanian Society For Cell Biology", 5-9 Iunie 2013, Timisoara.
35. **M. G. Albu**, *Biomateriale si cosmetice pe baza de colagen: realizari si perspective*, POLIFEST 2014, Bucuresti, 9 - 11 aprilie 2014.
36. V. Pruna, I. Titorencu, **M. G. Albu**, A. Lungu, R. Radulescu, V. V. Jinga, *Patient-dependent biocompatibility and osteoinductive potential of collagen composite scaffolds*, A XXXII-a Sesiune Stiintifica Anuala a SRBC, Targu-Mures, 4-7 iunie 2014, (Vol rezumate Nr. 42, pp. 141).
37. G. Paunica-Panea, **M. G. Albu**, D.A. Kaya, Z. Vuluga, I. Titorencu, C.V. Denis, New antimicrobial collagen dressing – a new challenge for wound management, Congresul Universitatii de Medicina si Farmacie Carol Davila Bucuresti, 28 – 30 mai 2015.
38. S. Ionita, S. Popescu, V. Enache, **M. G. Albu**, I. Lascar, Using composite meshes of polypropylene covered with collagen in nasal reconstructive surgery, Al 9-lea Congres anual al Asociatiei Medicale Romane, Academia Romana, Bucuresti, 16-18 Aprilie 2015.
39. G. Paunica-Panea, **M. G. Albu**, D.A. Kaya, Z. Vuluga, I. Titorencu, C.V. Denis, New antimicrobial collagen dressing – a new challenge for wound management, Congresul Universitatii de Medicina si Farmacie Carol Davila Bucuresti, 28 – 30 mai 2015.
40. G. Păunică-Panea, F. Popa, **M. G. Albu**, M.V. Ghica, R. Constantinescu, S. Bobic, V.D. Constantinescu, Hidrogeluri pe bază de colagen și oxid de zinc pentru managementul avansat al rănilor, *Conferința Națională de Chirurgie*, București, 14-17 octombrie 2015.
41. I. Titorencu, **M. G. Albu Kaya**, D. Zamfirescu, V. V. Jinga, V. Pruna, M. Simionescu, Selection of collagen – alginate scaffolds and their population with human keratinocytes and fibroblasts for skin reconstruction, 8th National Congress with International participation and 34th Annual Scientific Session of the Romanian Society of Cell Biology, 8-12 iunie 2016, Baile Felix.
42. M.V. Ghica, E. Olăreț, A. Serafim, I.C. Stancu, **M. G. Albu Kaya**, L. Popa, C.E. Dinu-Pîrvu, Materiale pe bază de polimeri naturali pentru tratamentul leziunilor cutanate, *Congresul Național de Farmacie din România (CNFR)*, ediția a XVI-a, București, 28 septembrie-1 octombrie 2016, Bucuresti.
43. Ș. Marin, M.V. Ghica, C. Dinu-Pîrvu, G. Voicu, **M.G. Albu Kaya**, L. Popa, **Collagen - polyvinilic alcohol – indometacin composites as smart wound dressings**, Congresul Universitatii de Medicina si Farmacie Carol Davila Bucuresti, 29 – 31 mai 2017.
44. R. Tutuianu, A.M. Rosca, V. Pruna, **M.G. Albu Kaya**, D. Zamfirescu, I. Titorencu, M. Simionescu, *Mesenchymal stem cells released factors sustain the population of collagen–alginate scaffolds with human skin cells for dermal reconstruction*, Al 9-lea Congres National cu participare interna si a 35-a Sesiune Stiintifica anuala a Societatii Romane de Biologie Celulara, Iasi, 7-11 iunie 2017.
45. M.V. Ghica, L. Popa, **M.G. Albu Kaya**, I.D. Barbulescu, M. Begea, R.I. Teodorescu, C. Dinu-Pîrvu, S-E. Marinescu, A. Cîrîc, V. Tudor, *Formulara unor produse derivate de drojdie de bere obținute prin procese de fermentare inovative*, Congresul Național de Farmacie din România (CNFR), ediția a XVI-a, București, 26-29 septembrie 2018.
46. M.V. Ghica, **M.G. Albu Kaya**, Ç. Kiliçarışlan Özkan, C. Dinu-Pîrvu, L. Popa, H. Özgünay, S. Marin, D.A. Kaya, V. Anuta, *Collagen-based topical delivery systems loaded with lidocaine and cross-linked with dialdehyde starch*, Congresul National de Farmacie ediția XVI, Bucuresti, 26-29 septembrie 2018.
47. D.G. Ionescu, M.V. Ghica, **M.G. Albu Kaya**, C.E. Dinu-Pîrvu, L. Popa, V. Anuța, E. Dănilă, D.A. Kaya, C. Chelaru, R.M. Prisada, Design and evaluation of some dermato cosmetic emulsions based on niacinamide, collagen hydrolysate and vegetable oils, Congresul Universității de Medicină și Farmacie „Carol Davila”, București, 10-12 noiembrie 2022.
48. G. Păunică-Panea, S. Teodorescu, M.V. Ghica, **M.G. Albu Kaya**, D.I. Udeanu, D.A. Kaya, V.D. Constantin, C. Dinu-Pîrvu, L. Popa, Pansamente antiinflamatoare pe bază de colagen și acid flufenamic (Anti-inflammatory wound dressings based on collagen and flufenamic acid), *lucrare poster* (94) prezentată la *Conferința Națională de Chirurgie*, Eforie Nord, 24-27 mai, 2023, rezumat (S213) publicat în volum de rezumat *Chirurgia*, 118 (Supplement 1), 2023, <http://dx.doi.org/10.21614/chirurgia.118.Supplement.1.S5>, p. S 214-S215, ISSN 1221-9118.

49. G. Păunică-Panea, S. Teodorescu, M.V. Ghica, **M.G. Albu Kaya**, D.I. Udeanu, M.M. Marin, D.A. Kaya, V.D. Constantin, C. Dinu-Pîrvu, L. Popa, Un nou concept de pansament pe bază de colagen și medicament antiinflamator pentru vindecarea leziunilor (New concept of wound dressing based on collagen and anti-inflammatory drug for wound healing), lucrare comunicare orală prezentată la *Conferința Anuală a OAMGMAMR (Ordinului Asistenților Medicali Generaliști, Moașelor și Asistenților Medicali din România), Filiala București*, ediția a 14-a, București&online, 17-19 mai, 2023, volum de rezumate, p. 47.
50. E.E. Tudoroiu, M.V. Ghica, **Madalina Georgiana Albu Kaya**, C.E. Dinu-Pîrvu, L. Popa, V. Anuța, Maria Minodora Marin, A. Antoniac, Ciprian Chelaru, R.M. Prisada,, Evaluarea compatibilității matricilor de colagen și metilceluloză proiectate pentru aplicații biomedicale, *Congresul Național de Farmacie din România (CNFR)*, ediția a XIX-a, Cluj-Napoca, 27-29.09.2023.

Lista proiectelor internationale (19)

Director de proiect (7)

1. Proiect bilateral Romania-Cipru nr. 217/2009: Studii asupra cedarii controlate a medicamentelor antipsoriazice din suporturi colagenice (matrice) cu diferite grade de hidratare (2008-2009)
2. Proiect bilateral Romania-Turcia nr. 377/2010: Biomateriale colagenice cu zeolit si ulei esential pentru tratamentul infectiilor pielii (2010-2011)
3. Proiect bilateral Romania-China, 502/2011: Sisteme de cedare a medicamentelor pe baza de polimeri naturali (2011-2012)
4. Proiect bilateral Romania – Turcia, 601/2013, Noi biomateriale pentru acoperiri cu proprietati antimicrobiene pentru imbunatatirea performantelor implanturilor medicale (2013-2014)
5. Proiect bilateral Romania-Japonia, 725/10.04.2013, Studii de spectroscopie de rezonanta magnetica nucleara (RMN) pe biomaterialele colagenice(2013)
6. Proiect bilateral Romania – China, 69/2016 Biomateriale compozite cu medicamente pentru complicatii postoperatorii (2016 – 2017)
7. M ERA NET 73/2024, Smart rumen composites for metabolic diseases (2024 – 2027)

Responsabil de proiect (1)

8. EUREKA 327E/2013 – Compusi naturali bioactivi pentru textile terapeutice

Membru in echipa de cercetare (11)

1. Proiect bilateral Romania-Turcia: Materiale avansate obtinute prin utilizarea procesarii de inalt nivel a subproduselor de piele (2008-2009)
2. Proiect bilateral Romania-Turcia: Materiale avansate obtinute prin utilizarea procesarii de inalt nivel a subproduselor de piele (2008-2009)
3. Proiect bilateral Romania – Bulgaria, nr. 453/2010: Aplicatii ale enzimelor ca alternative ecologice in industria de pielarie (2010-2011)
4. Proiect See-era. net, nr.88/01/2010:Plante traditionale indigene pentru obtinerea a noi produse cu valoare adaugata pentru diferite aplicatii (alimentare, igienico-farmaceutice, cosmetice) (2010-2012)
5. E! 307/2011 – Dezvoltarea tehnologiilor si materialelor inovative pentru prelucrarea pieilor in vederea reducerii poluarii mediului cu saruri – SALTLESS LEATHER;
6. E! 310/2011 - Produse cu continut redus de carbon pentru proiectarea tehnologiilor de prelucrare a pieilor cu tananti durabili si imbunatatirea productiei - LOWEST;
7. E! 314/2012 – Sistem de evaluare a biodegradabilitatii si ecochitarea articolelor din blana naturala ca instrument de piata – BIOFUR;
8. E! 315/2012 – Sistem automat privind evaluarea degradarii pieilor si pergamentelor de patrimoniu – ADAS;
9. COST 1305 - Improved Protection of Medical Devices Against Infection (*IPROMEDIA*) – MC substitute
10. COST CA 16119 - In vitro 3-D total cell guidance and fitness - MC member
11. Study on the Construction and Rapid Hemostatic Mechanism of Hemostatic Composites with Connected Pores Based on Natural Polymers (基于天然高分子的连通孔止血材料的构建及其快速止血机理研究) (2023 – 2024)

Lista proiectelor nationale (63)

Director / Responsabil de proiect (15)

1. NUCLEU PN 05-12 04 06 / 2005 – Obținerea gelurilor rezistente hidrotermic pentru aplicatii medicale (2005)
2. NUCLEU PN 06-09 04 06 / 2006 – Stabilirea eliberării controlate *in vitro* pentru diferite medicamente din hidrogeluri de collagen (2006-2008).
3. GRANT CNCSIS TD 229/2005: Biomateriale de uz medical și stomatologic pe bază de collagen fibrilar tip I (2005-2007)
4. PN II 71-147/2007: Realizarea de noi biomateriale cu structuri colagenice supramoleculare dopate, cu proprietati piezoelectrice, de cristale lichide, electrice și magnetice, utilizate în bioinginerie (2007-2010)
5. PN II 71-029/2007: Nanocompozite bioactive pentru ambalaje alimentare ecologice (2007-2010)
6. PN II 72-198/2008: Nanobiocompozite multifunctionale utilizate ca suporturi regenerative și medicamentoase (2008-2011)
7. PN II 62-092/2008: O noua modalitate terapeutică în repararea nervilor periferici folosind conductori artificiali biocompatibili și tehnici de inginerie tisulară (2008-2011)
8. PN II 155/2014 - Tehnologii și produse inteligente pentru tratamentul și prevenirea mamitelor la rumegatoarele productive bazate pe chimia verde a compozitelor destinate sănătății publice veterinare – GREENVET
9. PN II 221/2014 - Reconstructia ligamentelor utilizând materiale structurate avansate pe baza de polimeri sintetici și naturali – LIGASINT
10. PN II 201/2014 - Designul rațional și sinteza unor suporturi inteligente bioactive pentru tratamentul personalizat al plagilor cutanate acute și cronice – ZETTAskin
11. PN – III BG 26/2016: Optimizarea tehnologiei moderne de procesare a drojdiei uzate de bere și de obținere a produselor derivate (2016 – 2018)
12. PN III – 160PED/2017: Proiectare, evaluare și modelarea mecanismului de eliberare a medicamentului pentru noi sisteme multiparticulate de cedare topică – TOPMULTINOV (2017 – 2018)
13. 622PED/2022: Design-ul, modelarea și validarea unui nou biohibrid pentru aplicații de vindecare a ranilor prin inginerie tisulară – HEALSKIN (2022-2024)
14. NUCLEU PN 23 26 01 01: Dispozitive medicale de ultimă generație pentru medicina regenerativă (DMxColl) (2023 – 2026)
15. Burse Henri Coanda 188/2023: Suport tristratificat pe baza de collagen și nanotuburi de carbon funcționalizate cu medicament – un nou concept de pansament inteligent cu eliberare controlată (2023 -2024)

Membru în echipa de cercetare (48)

1. RELANSIN 564/2000: Realizarea de produse colagenice noi și modernizate, conform normelor GMP, utilizabile în domeniul medical și dermo-cosmetic (2000-2002)
2. RELANSIN 554/2000: Tehnologii noi ecologice de producere a extractelor proteice din pește și deseuri din pește cu aplicare în industria de pielărie și în alte domenii (2000-2002)
3. VIASAN 57/2001: Noi sisteme compozite bioactive și bioresorbabile pentru protezare de țesuturi (piele și os), pe baza de membrane colagenice cu inserție textilă (2001-2003)
4. MATNANTECH 3/2001: Biomateriale noi obținute prin procedee speciale de structurare a apei în matrici colagenice (2001-2003)
5. MATNANTECT 203/2002: Tehnologii de obținere a unor noi structuri de biopolimeri naturali dopați și nedopați cu oligoelemente pentru aplicații medicale (2002-2004)
6. GRANT AT / 2001 – Aditivi acrilici pentru materiale plastice
7. RELANSIN 1642/2003: Produse bioactive obținute prin valorificarea uleiului și stromei colagenice din ficatul de rechin (2003-2005)
8. RELANSIN 1681/2003: Produse ecologice pentru finisarea suprafeței pieilor naturale și tehnologii de aplicare (2003-2005)

9. MENER 202/2002: Tehnologie de reciclare a deșeurilor proteice provenite din industria de pielărie, în aplicații industriale (2002-2004)
10. VIASAN 211/2003: Pansamente biologice continand complexi macromoleculari cu cedare gradata a substantelor bioactive utilizate in tratamentul arsurilor si leziunilor postraumatice (2003-2005)
11. VIASAN 214/2003: Substituenti de mielina pe baza de proteine structurate, utilizati in reconstructia de nervi periferici din traumatologia neurochirurgicala (2003-2005)
12. MATNANTECH 184/2003: Nanostructuri compozite pe bază de copolimeri metacrilici cu aplicații în pielărie și textile (2003-2005)
13. RELANSIN 2129/2004: Procedu tehnologic si instalatie performanta de procesare computerizata a hidrogelurilor de colagen utilizate ca biomateriale (2004-2006)
14. RELANSIN 1901/2004: Procedu si instalatie pentru valorificarea energetica a deseurilor de piele neutilizabile (2004-2006)
15. RELANSIN 1900/2004: Noi produse cu actiune fotoprotectoare si antioxidanta pe baza de complexi nanostructurati continand principii bioactive naturale (2004-2006)
16. MATNANTECH 205(403)/2004: Biomateriale pe baza de noi structuri de aerogeluri formate din polimeri naturali, TiO₂ si silicati, cu aplicatii dirijate (2004-2006)
17. MATNANTECH 200(402)/2004: Noi tipuri de nanocompozite hibride cu propeietati inteligente utilizate in biomedicina (2004-2006)
18. VIASAN 368/2004: Produse biologic active cu efect radioprotector pe baza de complexi fitoproteici (2004-2006)
19. VIASAN 306/2004: Cercetari pentru realizarea si utilizarea preclinica si clinica a compozitelor din sticle silicofosfatice bioactive si tropocolagen CIS, ca substituent al grefelor osoase (2004-2006)
20. BIOTECH 4652/2004: Dezvoltarea unor biotehnologii de cultivare a unor celule umane in scopul aplicarii lor in practica medicala (2004-2006)
21. BIOTECH 4608/2004: Biotehnologii pentru obtinerea de biotehnologii pentru obtinerea de noi produse dermato-cosmetice pe baza de complex peptido-proteic din resurse marine neutilizabile in circuitul alimentar (2004-2006)
22. BIOTECH 4667/2004: Obtinerea si utilizrea unor complexe enzimatic stabile cu efecte sinergice pentru prelucrarea proteinelor din piele (2004-2006)
23. BIOTECH 4695/2004: Procedu si echipament computerizat pentru realizarea de complexi biologic activi cu efect radioprotector (2004-2006)
24. CERES 4_127/2004: Modelarea formarii complexilor surfactanti-proteina colagenica din piele in sisteme apoase diluate si concentrate (2004-2006)
25. CERES 4_251/2004: Obtinerea substantelor bioactive din insecte pentru producerea preparatelor cheratolitice utilizate in medicina si cosmetica (2004-2006)
26. CEEX – VIASAN 21/2005: Dezvoltarea activitatilor si infrastructurii de cercetare pentru terapii inovative implanto-proteice prin distractie si regenerare osoasa dirijata (2005-2007)
27. CEEX – MATNANTECH 16/2005: Tehnologii integrate pentru obtinerea de biocompozite nanostructurate cu aplicatii in medicina regenerativa a tesutului osos (2005-2007)
28. CEEX – RELANSIN 65/2005: Sistem integrat de monitorizare si raspuns mediu-sanatate SIM-E&H (2005-2007)
29. CEEX RELANSIN 23/2006: Biofunctionalizarea suprafetei implanturilor pentru osteosinteza – OSTEOSURF (2006-2008)
30. CEEX VIASAN 235/2006: Dezvoltarea de tehnici inovative in chirurgia abdominala bazate pe utilizarea unor structuri biointegrabile si dezvoltarea de noi metode de evaluare a biodegradabilitatii acestora (2006-2008)
31. CEEX RELANSIN 278/2006: Compozite pe baza de polimeri ionici utilizate ca suport biomimetic de tesut osos pentru testari in vitro – COMPOVIT (2006-2008)
32. PN II 71-146/2007: Biomateriale avansate pe baza de structuri proteice bioactive, nanostructurate dopate cu nanoparticule metalic (2007-2010)
33. Program Operational Sectorial Cresterea Competitivitatii Economice nr. 638 cod SMIS – CSNR 12579: Tehnologii inovatoare pentru sectorul de pielarie care cresc competitivitatea tehnologica prin CDI, calitatea vietii si protectia mediului (2010-2013)
34. PN II 56/2012 – Minimizarea si monitorizarea integrate a poluantilor din industria de pielarie pentru o productie sustenabila – SUSTAINLEATHER
35. PN II 167/2012 – Tehnologii de obtinere a articolelor de piele cu proprietati de autoprotectie, prin functionalizarea suprafetei cu nanoparticule oxidice si metalice, pentru aplicatii avansate – SELFPROPIEL

36. PN II 112/2012 – Cercetari interdisciplinare privind tratarea semintelor cu hidrolizate de colagen in vederea cresterii indicatorilor calitatii, reducerea pesticidelor si dezvoltare durabila a productiei agricole – GERMOSTIM
37. PN II 213/2012 – Imbunatatirea calitatii mediului de lucru in depozitele de patrimoniu cultural. Validarea tratamentului bunurilor culturale textile si din piele cu radiatii gamma – TEXLECONS.
38. PCE 1429/2008: Folosirea de conductori bioartificiali insamantati prin tehnici de inginerie tisulara cu celule Schwann ca metoda alternativa in repararea leziunilor de nervi periferic (2008 – 2011)
39. PN 09 10 04 02 / 2009 Proiectarea, implementarea si certificarea sistemului de management al calitatii in conformitate cu cerintele ISO 9001:2008 si SR EN ISO 13485:2004 pentru dispozitive medicale (2009-2014)
40. PCCE 248/2010 – NOI CONCEPTE SI STRATEGII PENTRU DEZVOLTAREA CUNOASTERII UNOR NOI STRUCTURI BIOCOMPATIBILE IN BIOINGINERIE (2010 – 2013)
41. Nucleu PN 09 10 04 12 - Dezvoltarea si pregatirea pentru certificare a unor noi biomateriale destinate domeniului medical si cosmetic, (2014 -2015)
42. Nucleu - TEX-PEL-VISION 2022, Contract nr. 4 N /2019, Biomateriale polimerice inteligente pentru regenerarea tisulara cu aplicatii in medicinasi cosmetica (BIO-TE-COLL)
43. NUCLEU PN 16 34 02 03/2016 - pH and temperature sensitive hydrogels for burn treatment
44. NUCLEU PN 16 34 02 02/2016 - Ingestible bioproducts based on collagen hydrolysates, for gastric and oral affections
45. Nucleu PN 16 34 02 07/2016 - Dermato-cosmetic products based on collagen and plant natural extracts for acne treatment
46. NUCLEU PN 19 17 03 02/ 2019 - Biomateriale polimerice inteligente pentru regenerarea tisulara cu aplicatii in medicina si cosmetica.
47. Proiect performanta institutionala 4PFE/2022 - INCDTP in avangarda cercetarii de excelenta - ID 525
48. PN-IV-P7-7.1-PED-2024-2326 - Creme solare revoluționare: dezvoltarea, caracterizarea și validarea emulsiei cosmeceutice inovative pe baza de colagen, contract nr. 26 / 2025 (2025 – 2026)

Lista brevetelor si cererilor de brevet (32)

Brevete (20)

1. A. Fikai, E.Andronescu, C.D.Ghitulica, D.Fikai, G.Voicu, **M. G. Albu**, Procedeu de obtinere a unor materiale compozite, multifunctionale, cu potentiale aplicatii in tratarea cancerului osos, Brevet nr. 127725 B1 / 2015.
2. **M. G. Albu**, Membrana de colagen cu doxicilina pentru uz stomatologic si procedeu de obtinere a acesteia, Brevet nr. 128972 / 30.03.2017.
3. Z. Vuluga, D.A. Kaya, **M. G. Albu**, Compozitie si procedeu pentru acoperirea implanturilor biomedicale pe baza de aliaj de titan, Brevet nr. 131205/30.12.2016.
4. **M. G. Albu**, I. Lascar, D.G. Zamfirescu, M. Simionescu, I. Zegrea. I.D. Titorencu, M. Popescu, G. Bumbeneci, Conductorii nervosi din colagen si procedeu de obtinere a acestora, Brevet nr. 128003 B1 / 30.01.2018.
5. **M. G. Albu**, D.A. Kaya, Z. Vuluga, N. Duran, F. Ayanoglu, C. Chelaru, Compozitii de acoperire ale implanturilor cu sisteme antimicrobiene pe baza de zeolit-ulei esential-colagen hidrolizat si procedeu de obtinere a acestora, Brevet nr. 131201 B1 / 30.01.2018.
6. D.A. Kaya, **M. G. Albu**, Z. Vuluga, N. Duran, L. Albu, A. Mert, Biomateriale colagenice cu zeolit si uleiuri esentiale pentru tratarea infectiilor pielii si procedeu de obtinere a acestora, Brevet national nr. RO 128361-30.08.2018
7. A.G. Ene, C. Mihai, **M. G. Albu**, Biomaterial hemostatic si procedeu de obtinere a acestuia Brevet nr. RO 128698 / 29.06.2018
8. **M. G. Albu**, M.V. Ghica, Sisteme de cedare a medicamentelor pe baza de colagen si procedeu de obtinere a acestora, Brevet nr. RO 129431-28.09.2018.
9. A. Fikai, E. Andronescu, **M. G. Albu**, D. Fikai, M. Sonmez, Materiale compozite pentru grefe ososse osteoinductive si osteoconductive, Brevet nr. RO 129823 / 30.05.2019.
10. **M. G. Albu**, D.A. Kaya, R. Mahanoglu, L. Albu, Ghe. Coara, G. Bumbeneci, Procedeu de obtinere a microcapsulelor din colagen si microcapsulele obtinute prin acest procedeu, Brevet nr. RO 130962 / 30.08.2019.
11. M. Buzdugan, M. Radu, S. Radu, **M. G. Albu**, D.A Kaya, G. Bumbeneci, S. Marin, M. M. Marin, E. Danila, Textile functionalizate si procedeu de microincapsulare al acestora, Brevet nr RO 131884 / 30.10.2019.
12. M.C. Corobea, Z. Vuluga, D. Florea, M. Iorga, D.M. Panaitescu, **M. G. Albu**, Compozitie antibacteriana si antifungica pentru specii rezistente la actiunea antibioticilor si procedeu de obtinere a acesteia, Brevet nr RO 131367 / 30.12.2020.
13. M.V. Ghica, **M.G. Albu Kaya**, D.I. Udeanu, M.M. Marin, S. Marin, D.A. Kaya, C. Dinu-Pirvu, L. Popa, E. Danila, Sisteme de cedare multiparticulate topice pe baza de biopolimeri cu eliberare controlata a unui medicament antiinflamator si procedeu de obtinere a acestora, Brevet nr RO 132850 / 29.10.2021.
14. Danila Elena, **Albu Kaya Madalina Georgiana**, Marian Stefania, Marin Minodora Maria, Sapun exfoliant pe baza de hidrolizat de colagen si ulei esential de lavanda , si procedeu de obtinere a acestuia, A00752/27.09.2017, Brevet nr. 133125, din 29.11.2022.
15. **Albu Kaya Madalina**, Lascar Ioan, Stancu Izabela-Cristina, Titorencu Irina Dominica, Zamfirescu Dragos George, Zegrea Ion, Marin Stefania, Nitipir Cornelia, Lungu Adriana, Tutuiianu Raluca, Simionescu Maya, Procedeu de obtinere de suporturi poroase tristratificate, A00753/27.09.2017, Brevet nr. 133133, din 29.11.2022
16. Marin Stefania, **Albu Kaya Madalina Georgiana**, Ghica Mihaela Violeta, Udeanu Denisa Ioana, Constantin Vlad Denis, Procedeu de obtinere a unui sistem de eliberare a medicamentelor de tip plase textile colagenice, A 00755 / 27.09.2017, Brevet nr. 133136 din 30.12.2022.
17. Marin Maria Minodora, **Albu Kaya Madalina Georgiana**, Fikai Anton, Baci Constantin Cosmin, Popescu Gheorghe Ion, Fikai Denisa, Procedeu de obtinere a ligamentelor din polimeri sintetici, 2022.

18. M. Marin, **M.G. Albu Kaya**, S. Marin, E. Danila, Apa de gura pe bază de hidrolizat de colagen și uleiuri esențiale și procedeu de obținere a acesteia pentru uz stomatologic, A00 290/15.05.2017, Brevet nr 132909/30.08.2023
19. M.M. Marin, **M. Albu Kaya**, S. Marin, E. Danila, G. Bumbeneci, C.I. Aldea, Ghe. Coara, F.L. Albu, Procedeu de obținere a extractelor colagenice din cartilaj bovin pentru aplicații medicale, Cerere brevet invenție, OSIM A/00840-26.10.2018, Brevet nr. 134024/30.08.2023.
20. E. Danila, **M. Albu Kaya**, S. Marin, M.M. Marin, G. Bumbeneci, C.I. Aldea, Ghe. Coara, F.L. Albu Procedeu de obținere a hidrolizatului de colagen din piele pentru aplicații medicale și cosmetice, Cerere brevet invenție, OSIM A/00841-26.10.2018, Brevet nr. 134025/30.08.2023.

Cereri de brevet (10)

1. A. Fikai, M.G. Albu-Kaya, D. Fikai, V. Mitran, A. Cimpean, E. Andronescu, Materialele compozite polimer/ceramică și procedeu de obținere a acestora, cerere de brevet Nr. A 01045/07. 12. 2017 înregistrată la OSIM.
2. M. M. Marin, **M.G. Albu Kaya**, G. Bumbeneci, Ghe. Coara, Procedeu de obținere a colagenului hidrolizat utilizat la prepararea produselor cosmetice și în medicina ca agent activ pentru regenerarea țesuturilor, OSIM no. A 00306/02.06.2020.
3. M. M. Marin, **M.G. Albu Kaya**, G. Bumbeneci, Ghe. Coara, Crema nutritivă pentru arsuri superficiale, OSIM no. A 00262/18.05.2021.
4. M. M. Marin, **M.G. Albu Kaya**, G. Bumbeneci, Ghe. Coara, Gel cu efect calmant și reconfortant pentru activarea circulației locale și pentru dureri musculare și articulare de diferite etiologii, OSIM no. A 00118/11.03.2022
5. **Madalina Georgiana Albu Kaya**, Biomateriale din colagen cu azitromicina pentru uz stomatologic și procedeu de obținere a acestora, Cerere de brevet de invenție A / 00328 din 27.06.2023.
6. **Madalina Georgiana Albu Kaya**, Matrice acelușară din piele de strurion și procedeu de obținere a acesteia, Cerere de brevet de invenție A / 00329 din 27.06.2023.
7. **Madalina Georgiana Albu Kaya**, Elena Danila, Alina Coman, Minodora Maria Marin, Georgeta Bumbeneci, Geluri de colagen din piele de strurion și procedeu de obținere a acestora, Cerere de brevet de invenție A 00634/2023 din 31.10.2023
8. Bianca Mihaela NEMES, Alexandru MOMOIU, Madalina Georgiana ALBU KAYA, Pansamentul regenerativ a fost realizat din colagen, polietilenglicol și fructoza pentru tratamentul leziunilor pielii, Cerere de brevet de invenție A00312/11.06.2024.
9. ALBU KAYA Madalina Georgiana, Minodora Maria MARIN, Durmus Alpaslan KAYA, Madalina Camelia IGNAT, Agent natural de reticulare a colagenului și procedeu de obținere a acestuia, Cerere de brevet de invenție A00311/11.06.2024.
10. Narcisa Mederle, Madalina Albu Kaya, Durmus Alpaslan Kaya, Ovidiu Mederle, Morariu Sorin, Ana-Maria Marin, Oana Raluca Rabdea, Hanganu (Marza) Mihaela, Geluri antifungice pe bază de colagen, argilă și ulei esențial și procedeu de obținere a acestora, Cerere de brevet de invenție A00776/6.12.2024.

Medalii (55)

45 medalii de aur si 8 de argint, 2 bronz

1. **Medalie de aur:** Natural cross-linking agent for collagen and process for obtaining it, A X-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 13-15 iunie 2024
2. **Medalie de aur:** Regenerative wound dressing based on collagen, polyethylene glycol and fructose with controlled porosity and its processing A X-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania 13-15 iunie 2024
3. **Medalie de aur:** Antiparasitic hydrogel based on collagen and active principles from plants and its production process, International Salon of Invention and Innovative Entrepreneurship Chisinau, Republica Moldova, 13-14 October 2023
4. **Medalie de aur:** Hidrogel antiparazitar pe baza de colagen si principii active din plante si procedeu de obtinere a acestuia, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii, PRO INVENT Editia XXI, Cluj-Napoca, 25-27 octombrie 2023
5. **Medalie de aur:** Brewing yeast biomass and suspension derived from biomass and processes for their obtaining, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023.
6. **Medalie de aur:** Membranes with collagen and doxycycline for dentistry uses and method for their preparation, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023
7. **Medalie de aur:** Antiparasitic hydrogel based on collagen and active principles from plants and its production process, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023
8. **Medalie de aur,** Topical multiparticulate delivery systems based on biopolymers with controlled release of an anti-inflammatory drug and process for their preparation, brevet de invenție nr. RO132850B1 2021, Salon International Inventii TRAIAN VUIA, 8-10 Octombrie 2022, Timisoara, Romania
9. **Medalie de aur,** pentru Compozitii de acoperire a ligamentelor dinpolimer sintetic cu colagen tip I, si procedeu de obtinere a acestora, la Salon International Inventii, TRAIAN VUIA, 8-10 Octombrie 2022, Timisoara, Romania.
10. **Medalie de aur,** pentru Suporturi poroase stratificate, pentru tratament personalizat al rănilor dificile și procedeu de obținere a acestora la Salon International Inventii TRAIAN VUIA, 8-10 Octombrie 2022, Timisoara, Romania.
11. **Medalie de argint** pentru CBI A 00262/18.05.2021: Crema nutritiva pentru arsuri superficiale, la 14th European Exhibition of Creativity and Innovation, 26-28 mai 2022, Iasi, Romania.
12. **Medalie de argint,** pentru Membranes with collagen and doxycycline for dentistry uses and method for their preparation, The 14th Edition of EUROINVENT -European Exhibition of Creativity and Innovation, 26-28 May 2022, Iasi, Romania.
13. **Medalie de aur,** cererea de brevet A 00840/26.10.2018: Procedure for obtaining collagen extracts from bovine cartilage for medical applications, The 24th Edition of the International Exhibition of Inventions INVENTICA 2020, 29- 31 July 2020, Iasi, Romania.
14. **Medalie de aur,** cererea de brevet A 00841/26.10.2018: Procedure for obtaining collagen hydrolysate from fish skin, for medical and cosmetic applications, The 24th Edition of the International Exhibition of Inventions INVENTICA 2020, 29- 31 July 2020, Iasi, Romania.
15. **Medalie de aur,** cererea de brevet A 00840/26.10.2018: Procedure for obtaining collagen extracts from bovine cartilage for medical applications, The 6th Edition of the International Exhibition of Inventions and Inovations, „TRAIAN VUIA”, 13-15 octomber 2020, Timișoara, Romania.
16. **Medalie de aur,** cererea de brevet A 00841/26.10.2018: Procedure for obtaining collagen hydrolysate from fish skin, for medical and cosmetic applications, The 6th Edition of the International Exhibition of Inventions and Inovations, „TRAIAN VUIA”, 13-15 octomber 2020, Timișoara, Romania.

17. **Medalie de aur**, brevet nr. 127725 B1 / 2015: Procedeu de obtinere a unor materiale compozite, multifunctionale, cu potientiale aplicatii in tratarea cancerului osos, The 4th International Invention Innovation Competition in Canada, iCAN2019, 24 august, Totonto, Canada.
18. **Medalie de aur**, cererea de brevet M. G. Albu, D.A. Kaya, R. Mahanoglu, L. Albu, Ghe. Coara, G. Bumbeneci, Microcapsules based on collagen hydrolisate and essential oils and process for preparing the same, 11th Edition of European Exhibition of Creativity and Innovation, EURO INVENT 2019, 16 – 18 May, 2019.
19. **Medalie de argint**, Pament application: M.V. Ghica, M.G. Albu Kaya, D.I. Udeanu, M.M. Marin, S. Marin, D.A. Kaya, C.E. Dinu-Pirvu, L. Popa, E. Danila, Topical multiparticulate delivery systems based on biopolymers with controlled release of an anti-inflammatory drug and process for their preparations, 11th Edition of European Exhibition of Creativity and Innovation, EURO INVENT 2019, May 18, 2019.
20. **Medalie de aur**, brevet nr. 127725 B1 / 2015: Procedeu de obtinere a unor materiale compozite, multifunctionale, cu potientiale aplicatii in tratarea cancerului osos, Salon International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT, Editia a XVI-a, 20-22 martie 2019, Cluj Napoca, Romania.
21. **Medalie de aur cu mentiune speciala**, Cerere de brevet national, OSIM A 01045/07. 12. 2017; Materiale compozite polimer/ceramica si procedeu de obtinere a acestora, Salon International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT, Editia a XVI-a, 21-23 martie 2018, Cluj Napoca, Romania.
22. **Medalie de aur**, Cerere de brevet national, OSIM nr. A00 290/15.05.2017, Apa de gura pe baza de hidrolizat de colagen si uleiuri esentiale si procedeu de obtinere al acestora pentru uz stomatologic, Salonul International de Inventii si Inovatii „TRAIAN VUJIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
23. **Medalie de aur**, Cerere de brevet national, OSIM nr. A00752 /27.09.2017, Sapun exfoliant pe baza de hidrolizat de colagen si ulei esential de lavanda si procedeu de obtinere a acestuia, Salonul International de Inventii si Inovatii „TRAIAN VUJIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
24. **Medalie de aur** pentru Brevet nr. 127725 B1 / 2015, Procedeu de obtinere a unor materiale compozite, multifunctionale, cu potientiale aplicatii in tratarea cancerului osos, Salonul International de Inventii si Inovatii „TRAIAN VUJIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
25. **Medalie de bronz** pentru cererea de brevet nr. A 00239 / 20.03.2013, Grefe osoase pe baza de colagen, fosfat de calciu si zinc si procedeu de obtinere a acestora, Salonul International de Inventii si Inovatii „TRAIAN VUJIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
26. **Medalie de aur** pentru Cererea de brevet A00239/23. 03. 2013, Grefe osoase osteoinductive si osteoconductive si procedeu de obtinere a acestora, Salonul International de Inventii si Inovatii „TRAIAN VUJIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
27. **Medalie de aur**, Cerere brevet inventie, OSIM A 00755 /27.09.2017, Plase textile colagenate si impregnate cu minociclina pentru uz stomatologic si procedeu de obtinere a acestora, Salonul International de Inventii si Inovatii „TRAIAN VUJIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
28. **Medalie de argint**, Brevet nr. 127725 B1 / 2015, Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment, International Warsaw Invention Show IWIS 2018, 15 - 17 October 2018, Varsovia, Polonia.
29. **Medalie de bronz** pentru cererea de brevet nr. A 00240 / 20.03.2013, Grefe osoase osteoinductive si osteoconductive si procedeu de obtinere a acestora, International Warsaw Invention Show IWIS 2018, 15 - 17 October 2018, Varsovia, Polonia.
30. **Medalie de aur**, Cerere brevet inventie, OSIM A/00714-24.09.2018, Biomase de drojdii de bere si suspensii derivate din biomase si procedee de obtinere a acestora, Targul International de Inventii si Idei Practice, “Invent – Invest 2018” 9-11 November 2018, Chisinau, Republica Moldova
31. **Medalie de aur**, Cerere de brevet national, OSIM nr. A 00239 / 20.03.2013: Grefe osoase pe baza de colagen, fosfat de calciu si zinc si procedeu de obtinere a acestora, Euroinvent 2017 / International Federation of Inventors’ Associations, 25-27 mai 2017, Iasi, Romania.
32. **Medalie de aur**, Proiect Cellulose fibers functionalization in order to design the properties of the finite products, 21th International Exhibition of Inventics - Inventica; 28- 30 iunie 2017, Iasi, Romania

33. **Medalie de aur**, Cerere de brevet: Microcapsule pe baza de hidrolizat de colagen si ulei esential si procesul de preparare a acestora, Salon Internațional de Invenții INNOVA BARCELONA, 4-6 mai 2017.
34. **Medalie de aur**, Brevet nr. 128972 / 30.03.2017: Membrana de colagen cu doxicilina pentru uz stomatologic si procedeu de obtinere a acesteia, Salon Internațional de Invenții INNOVA BARCELONA, 4-6 mai 2017.
35. **Medalie de aur**, Cerere de brevet: Sisteme de cedare a medicamentelor pe baza de colagen si procedeu de obtinere a acestora, 45th, International Exhibition of Inventions Geneva, 29 martie – 2 aprilie 2017.
36. **Medalie de argint**, Cerere de brevet: Microcapsule pe baza de hidrolizat de colagen si ulei esential si procesul de preparare a acestora, International Exhibition of Inventions INNOVA, Bruxelles, Belgium 17-19 November 2016.
37. **Medalie de aur**, Cerere de brevet: Microcapsule pe baza de hidrolizat de colagen si ulei esential si procesul de preparare a acestora, International Salon of Inventions and Innovations „Traian Vuia”, Timisoara, 25-27 mai 2016.
38. **Medalie de aur**, Cerere de brevet: Compozitii de acoperire ale implanturilor cu sisteme antimicrobiene pe baza de zeolit-ulei esential-colagen hidrolizat si procedeu de obtinere a acestora, International Salon of Inventions and Innovations „Traian Vuia”, Timisoara, 25-27 mai 2016.
39. **Medalie de aur**, Cerere de brevet: Compoziție antibacteriană și antifungică pentru specii rezistente la acțiunea antibioticelor și procedeu de obținere a acesteia, International Salon of Inventions and Innovations „Traian Vuia”, Timisoara, 25-27 mai 2016.
40. **Medalie de aur**, Cerere de brevet: Textile functionalizate si procedeu de microincapsulare al acestora, International Salon of Inventions and Innovations „Traian Vuia”, Timisoara, 25-27 mai 2016.
41. **Medalie de aur**, Cerere de brevet: Metoda de obtinere a unui pansament biodegradabil pasiv pentru aplicatii dermatologice, International Salon of Inventions and Innovations „Traian Vuia”, Timisoara, 25-27 mai 2016.
42. **Medalie de aur**, Cerere de brevet: Osteoconductive bone grafts and process for their preparation, 44th, International Exhibition of Inventions Geneva, 15 April 2016.
43. **Medalie de argint**, Osteoconductive and osteoinductive bone grafts and process for their manufacturing, Euroinvent 2016 / International Federation of Inventors' Associations, 19-20 mai 2016 , Iasi, Romania.
44. **Medalie de argint**, Compoziție antibacteriană și antifungică pentru specii rezistente la acțiunea antibioticelor și procedeu de obținere a acesteia, Euroinvent 2016 / International Federation of Inventors' Associations, 19-20 mai 2016 , Iasi, Romania.
45. **Medalie de aur**, Brevet nr. 127725 B1 / 2015: Procedeu de obtinere a unor materiale compozite, multifunctionale, cu potentiale aplicatii in tratarea cancerului osos, Euroinvent 2016 / International Federation of Inventors' Associations, 19-20 mai 2016 , Iasi, Romania.
46. **Medalie de aur**, Cerere de brevet: Drug delivery systems based on collagen and method for their preparation, „Traian Vuia” International Exhibition of Inventions and innovations, Timisoara, 11 – 13 iunie 2015.
47. **Medalie de aur** cu felicitările juriului, Cerere de brevet: Patent application: Collagen biomaterials with zeolite and essential oils for skin infection treatment and process of obtaining thereof, 43rd International Exhibition of Inventions Geneva, 14-18 April 2015.
48. **Medalie de argint**, Patent application: Collagen biomaterials with zeolite and essential oils for skin infection treatment and process of obtaining thereof, 13th International Exhibition of Inventions ARCA 2015, Zagreb, Croatia, 15-18 October 2015.
49. **Medalie de aur**, Cerere de brevet: Collagen-based membrane with doxycycline for dentistry use and a process for preparation thereof, International Exhibition of Inventions INNOVA, Bruxelles, Belgium 19-21 November 2015.
50. **Medalie de aur**, Cerere de brevet: Collagen biomaterials with zeolite and essential oils for skin infection treatment and process of obtaining thereof, Salonul de Invenții și Inovații-INVENTIKA, 15-18 October 2014.
51. **Medalie de aur**, Cerere de brevet: Patent application: Microcapsules based on collagen hydrolysate and essential oils and process for preparing the same, INVENT-INVEST, Iasi, 12-15 November 2014.
52. **Medalie de aur**, Cerere de brevet: Collagen nerve conductors and method for their preparation, 62nd Brussels Innova, the world exhibition on inventions, research and Industrial Innovation for patent applications, 14-16 November 2013.

53. **Medalie de aur**, Cerere de brevet: Collagen antimicrobial wound dressing, 62nd Brussels Innova, the world exhibition on inventions, research and Industrial Innovation for patent applications, 14-16 November 2013.
54. **Medalie de aur**, Cerere de brevet: Simulation procedure of tanning systems, 61st Brussels Innova, the world exhibition on inventions, research and Industrial Innovation for patent applications, 13-15 November 2012.
55. **Medalie de aur**, Cerere de brevet: Process of obtaining some composite materials with potential applications in treatment of bone cancer, 61st Brussels Innova, the world exhibition on inventions, Research and Industrial Innovation for patent applications, 13-15 November 2012.

Premii (52)

1. **Certificat de excelenta:** Regenerative wound dressing based on collagen, polyethylene glycol and fructose with controlled porosity and its processing, A X-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 13-15 iunie 2024 / Research & Development Center Healthy vibe Holistic Treatment
2. Premiu special din partea Universitatii Politehnica Timisoara: Antiparasitic hydrogel based on collagen and active principles from plants and its production process, International Salon of Invention and Innovative Entrepreneurship Chisinau, Republica Moldova, 13-14 October 2023
3. Diploma de excelenta: Hidrogel antiparazitar pe baza de colagen si principii active din plante si procedeu de obtinere a acestuia, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii, PRO INVENT Editia XXI, Cluj-Napoca, 25-27 octombrie 2023
4. Premiu special din partea Universitatea "Constantin Brâncuși", Târgu Jiu, Hidrogel antiparazitar pe baza de colagen si principii active din plante si procedeu de obtinere a acestuia, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii, PRO INVENT Editia XXI, Cluj-Napoca, 25-27 octombrie 2023
5. Premiul aniversar "Traian Dragoș", Hidrogel antiparazitar pe baza de colagen si principii active din plante si procedeu de obtinere a acestuia, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii, PRO INVENT Editia XXI, Cluj-Napoca, 25-27 octombrie 2023
6. Diplomă de excelență, Secțiunea Tehnologie Farmaceutică – perspective în optimizarea formelor farmaceutice, pentru lucrarea "Evaluarea compatibilității matricilor de colagen și metilceluloză proiectate pentru aplicații biomedicale", lucrare poster (ID 925), E.E. Tudoroiu, M.V. Ghica, Mădălina Georgiana Albu Kaya, C.E. Dinu-Pîrvu, L. Popa, V. Anuța, Maria Minodora Marin, A. Antoniac, C. Chelaru, R.M. Prisada, Congresul Național de Farmacie din România (CNFR), ediția a XIX-a, 27-29 septembrie 2023 / Colegiul Farmacistilor din Romania.
7. Grand Prize of International Exhibition Traian Vuia 2023: Membranes with collagen and doxycycline for dentistry uses and method for their preparation, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023
8. Diploma de excelenta din partea OSIM: Membranes with collagen and doxycycline for dentistry uses and method for their preparation, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023
9. Diploma de excelenta din partea UMF „Victor Babes” Timisoara: Membranes with collagen and doxycycline for dentistry uses and method for their preparation, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023
10. Diploma de excelenta din partea INOE: Membranes with collagen and doxycycline for dentistry uses and method for their preparation, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023
11. Diploma de excelenta din partea INOE: Antiparasitic hydrogel based on collagen and active principles from plants and its production process, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023
12. Premiu special din partea Universitatii Lucian Blaga Sibiu: Antiparasitic hydrogel based on collagen and active principles from plants and its production process, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023
13. Diploma de excelenta: Brewing yeast biomass and suspension derived from biomass and processes for their obtaining, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023
14. Diploma din partea Primosal Group: Brewing yeast biomass and suspension derived from biomass and processes for their obtaining, A IX-a ediție a Salonului Internațional de Invenții și Inovații "TRAIAN VUIA", Timisoara, Romania, 15-17 iunie 2023

15. Premiul I si medalie de Aur, pentru lucrarea "Pansament inteligent – un nou concept", Concursul National de Stiinta si Tehnologie – ROSEF 2022, Suceava, 24-25 octombrie 2022, Autor: Nemes Bianca Mihaela (elev liceu), Indrumatori: Madalina Albu Kaya si Mircea Ignat
16. Premiul Societatii Romane de Reologie, pentru lucrarea: "Analysis of in vitro release profiles and rheological parameters for some naproxen-based topical semi-solid systems", Societatea Romana de Reologie, International Conference on Rheology: Understanding the Viscoelastic Behavior of Materials – Progress and Challenges, Iasi, Romania, Mai 2022, E.E. Tudoroiu, M.V. Ghica, C.E. Dinu-Pirvu, L. Popa, Madalina Georgiana Albu Kaya, V. Anuța, R.M. Prisada, B.S. Velescu, A.R. Orțan
17. Premiu special, pentru Suporturi poroase stratificate, pentru tratament personalizat al rănilor dificile și procedeu de obținere a acestora, la Salon International Inventii TRAIAN VUIA, 8-10 Octombrie 2022, Timisoara, Romania.
18. Medalie Excelenta in Inovare din partea Romanian Inventors Forum pentru Membranes with collagen and doxycycline for dentistry uses and method for their preparation,, The 14th Edition of EUROINVENT -European Exhibition of Creativity and Innovation, 26-28 May 2022, Iasi, Romania.
19. Premiu special oferit de Association of Thai Innovation and Invention Promotion Thailand pentru, brevet nr. 127725 B1 / 2015: Procedeu de obtinere a unor materiale compozite, multifunctionale, cu potentiale aplicatii in tratarea cancerului osos, The 4th International Invention Innovation Competition in Canada, iCAN2019, 24 august, Totonto, Canada.
20. Diploma of Excellence, Patent application: M.V. Ghica, M.G. Albu Kaya, D.I. Udeanu, M.M. Marin, S. Marin, D.A. Kaya, C.E. Dinu-Pirvu, L. Popa, E. Danila, Topical multiparticulate delivery systems based on biopolymers with controlled release of an anti-inflammatory drug and process for their preparations, XXII th International Exhibition of Inventions Inventica 2019, Iasi, 26 – 28 June 2019.
21. Award of excellence from University of Medicine and Pharmacy "Carol Davila" Bucharest for M. G. Albu, D.A. Kaya, R. Mahanoglu, L. Albu, Ghe. Coara, G. Bumbeneci, Microcapsules based on collagen hydrolisate and essential oils and process for preparing the same, 11th Edition of European Exhibition of Creativity and Innovation, EURO INVENT 2019, 16 – 18 May, 2019.
22. Diploma of Excellence, Patent application: M.V. Ghica, M.G. Albu Kaya, D.I. Udeanu, M.M. Marin, S. Marin, D.A. Kaya, C.E. Dinu-Pirvu, L. Popa, E. Danila, Topical multiparticulate delivery systems based on biopolymers with controlled release of an anti-inflammatory drug and process for their preparations, 11th Edition of European Exhibition of Creativity and Innovation, EURO INVENT 2019, 16 – 18 May, 2019.
23. Diploma de excelenta, brevet nr. 127725 B1 / 2015: Procedeu de obtinere a unor materiale compozite, multifunctionale, cu potentiale aplicatii in tratarea cancerului osos, Salon International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT, Editia a XVI-a, 20-22 martie 2019, Cluj Napoca, Romania.
24. Diploma de excelenta din partea Universitatii de Stiinte Agronomice si Medicina Veterinara, brevet nr. 127725 B1 / 2015: Procedeu de obtinere a unor materiale compozite, multifunctionale, cu potentiale aplicatii in tratarea cancerului osos, Salon International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT, Editia a XVI-a, 20-22 martie 2019, Cluj Napoca, Romania.
25. Excellence Diploma - din partea Romana Petroleum – Gas University of Ploiesti - In recognition of the originality and creativity of the inventions and ideas pentru Cerere brevet inventie, OSIM A/00714-24.09.2018, Biomase de drojdii de bere si suspensii derivate din biomase si procedee de obtinere a acestora, Targul International de Inventii si Idei Practice, "Invent – Invest 2018" 9-11 November 2018, Chisinau, Republica Moldova
26. Diploma de Excelenta – din partea INMA Bucuresti - Biomase de drojdii de bere si suspensii derivate din biomase si procedee de obtinere a acestora, pentru Cerere brevet inventie, OSIM A/00714-24.09.2018, Biomase de drojdii de bere si suspensii derivate din biomase si procedee de obtinere a acestora, Targul International de Inventii si Idei Practice, "Invent – Invest 2018" 9-11 November 2018, Chisinau, Republica Moldova
27. Premiu special oferit de State University of Medicine and Pharmacy "Nicolae Testemițanu", Moldova (for the patent application "Bone grafts based on collagen, calcium phosphate and zinc and process for their manufacturing", Salonul International de Inventii si Inovatii „TRAIAN VUIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
28. Premiu special oferit de State University of Medicine and Pharmacy "Nicolae Testemițanu", Moldova (for the invention "Osteoconductive and osteoinductive bone grafts and process for their manufacturing". Salonul International de Inventii si Inovatii „TRAIAN VUIA” Timisoara, editia a IV-a, 13-15 iunie 2018.

29. Premiu special oferit de State University of Medicine and Pharmacy "Nicolae Testemițanu", Moldova (for the patent "Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment", Salonul International de Inventii si Inovatii „TRAIAN VUIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
30. Premiu special oferit de Universitatea de Medicină și Farmacie "Victor Babeș" din Timișoara (for the patent "Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment", Salonul International de Inventii si Inovatii „TRAIAN VUIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
31. Premiu Special din partea Universitatii de Stat de Medicina si Farmacie "Nicolae Testemitanu" din Republica Moldova pentru Cerere de brevet national, OSIM nr. A00 290/15.05.2017, Apa de gura pe baza de hidrolizat de colagen si uleiuri esentiale si procedeu de obtinere al acestora pentru uz stomatologic, Salonul International de Inventii si Inovatii „TRAIAN VUIA” Timisoara, editia a IV-a, 13-15 iunie 2018.
32. Diploma de excelente din partea Asociatiei Justin Capra pentru Cerere de brevet national, OSIM A 01045/07. 12. 2017; Materiale compozite polimer/ceramica si procedeu de obtinere a acestora, Salon International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT, Editia a XVI-a, 21-23 martie 2018, Cluj Napoca, Romania.
33. Diploma de excelenta si Medalie de aur din partea Universitatii de Stat de Medicina si Farmacie "Nicolae Testemitanu" din Republica Moldova pentru Cerere de brevet national, OSIM A 01045/07. 12. 2017; Materiale compozite polimer/ceramica si procedeu de obtinere a acestora, Salon International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT, Editia a XVI-a, 21-23 martie 2018, Cluj Napoca, Romania.
34. Diploma de onoare oferita de Institutul de Chimie al A.S.M pentru Cerere de brevet national, OSIM nr. A 00239 / 20.03.2013: Grefe osoase pe baza de colagen, fosfat de calciu si zinc si procedeu de obtinere a acestora, Euroinvent 2017 / International Federation of Inventors' Associations, 25-27 mai 2017, Iasi, Romania.
35. Premiu special oferit de „Lucian Blaga” University of Sibiu, Romania pentru Cerere de brevet national, OSIM nr. A 00239 / 20.03.2013: Grefe osoase pe baza de colagen, fosfat de calciu si zinc si procedeu de obtinere a acestora, Euroinvent 2017 / International Federation of Inventors' Associations, 25-27 mai 2017, Iasi, Romania.
36. Premiul III: Mesenchymal stem cells released factors sustain the population of collagen–alginate scaffolds with human skin cells for dermal reconstruction, Al 9-lea Congres National de Biologie Celulară și Moleculară cu participare internationala si a 35-a Sesiune Stiintifica anuala a Societatii Romane de Biologie Celulara, 7 - 11 iunie 2017, Iasi, Romania
37. Premiu special oferit de Haller Pro Inventio Foundation pentru cerere de brevet: Microcapsule pe baza de hidrolizat de colagen si ulei esential si procesul de preparare a acestora, Salon Internațional de Invenții INNOVA BARCELONA, 4-6 mai 2017.
38. Prix de l'AGEPI (Agence d'État pour la Propriété Intellectuelle) pentru cererea de brevet, Sisteme de cedare a medicamentelor pe baza de colagen si procedeu de obtinere a acestora, 45th, International Exhibition of Inventions Geneva, 29 martie – 2 aprilie 2017.
39. Special award from Turkish Patent Institute for Patent application: Osteoconductive bone grafts and process for their preparation, 44th, International Exhibition of Inventions Geneva, 15 April 2016.
40. Honorable mention from China Delegation of Invention and innovation for Patent application: Osteoconductive bone grafts and process for their preparation, 44th, International Exhibition of Inventions Geneva, 15 April 2016.
41. Best Innovation Award from Hong Kong Science and Technology Parks Corporation for Patent application: Osteoconductive bone grafts and process for their preparation, 44th, International Exhibition of Inventions Geneva, 15 April 2016.
42. Premiu special oferit de UMF "Victor Babeș" Timisoara pentru cererea de brevet: Compozitii de acoperire ale implanturilor cu sisteme antimicrobiene pe baza de zeolit-ulei esential-colagen hidrolizat si procedeu de obtinere a acestora, International Salon of Inventions and Innovations „Traian Vuia”, Timisoara, 25-27 mai 2016.
43. Special award from Contest Brussels Eureka for Patent application: Collagen-based membrane with doxycycline for dentistry use and a process for preparation thereof, International Exhibition of Inventions INNOVA, Bruxelles, Belgium 19-21 Noiembrie 2015.
44. Special award from Timișoara County Emergency Clinical Hospital for Patent application: Drug delivery systems based on collagen and method for their preparation, „Traian Vuia” International Exhibition of Inventions and innovations, Timisoara, 11 – 13 iunie 2015.

45. Special award from "Victor Babes" University of Medicine and Pharmacy Timisoara for Patent application: Drug delivery systems based on collagen and method for their preparation, "Traian Vuia" International Exhibition of Inventions and innovations, Timisoara, 11 – 13 June 2015.
46. Special award from Association "Russian House of International Scientific and Technological Cooperation" for Patent application: Collagen biomaterials with zeolite and essential oils for skin infection treatment and process of obtaining thereof, 43rd International Exhibition of Inventions Geneva, 14-18 April 2015.
47. Special award from Turkish Patent Institute for Patent application: Collagen biomaterials with zeolite and essential oils for skin infection treatment and process of obtaining thereof, 43rd International Exhibition of Inventions Geneva, 14-18 April 2015.
48. First Prize of Romanian Innovation 2014 given by SC 3M Romania SRL - 2000 EURO for National Patent Application "Collagen nerve conductors and method for their preparation".
49. Prix de l'AGEPI (Agence d'État pour la Propriété Intellectuelle) pour ses mérites distingués à la 62^{ème} édition du Salon International des Inventions « Brussels INNOVA – 2013 » accordé M.G. Albu, I. Lascar, G.D. Zamfirescu, M. Simionescu et al, ROUMANIE pour l'invention : « Conducteurs nerveux de collagène et leur processus d'obtention », Bruxelles, 2013.
50. Innovation Award from ORIGITEA®, Institute of Health and Beauty by Doctor Mukhinaor for Patent application "Antimicrobial collagen wound dressing", Bruxelles, 2013.
51. Award given by INCDIE ICPE CA for Original Contribution of the Young Researcher Albu Mădălina Georgiana presented at ECOMAT 2008 – International Conference on Ecological Materials and Technologies.
52. The article "New Biocomposite Matrices Structures Based on Collagen and Synthetic Polymers Designed for Medical Applications" published in Materiale Plastice Journal, 2007, 44(4), 273-277, Authors: Lungu, A, Albu, M, Trandafir, V was awarded as the best article of the year published in Materiale Plastice Journal for Conference of Contemporary Chemistry – 2008.