

**INFORMAȚII
PERSONALE**

Prodan Alina Mihaela



**EXPERIENȚA
PROFESIONALĂ**

2019-prezent

Presedintele Societatii Medicilor Cercetatori din Romania

2016-prezent
2010-2015

Medic specialist Chirurgie Generala

Medic rezident Chirurgie Generală

Departamentul de Chirurgie (10), Disciplina Chirurgie Generală, Spitalul Clinic de Urgență București, UMF Carol Davila, Str. Dionisie Lupu 37, Sector 1, București 020022, România, <http://www.umfcaroldavila.ro/>

- Activitate de cercetare științifică

- Activitate clinică chirurgicală

2014-2015

Seful rezidentilor chirurgie Generala

Activitate de indrumare a rezidentilor

2013-2015

Indrumator curs asistenti medicali- Scoala postliceala Fundeni

EDUCAȚIE ȘI FORMARE

EQF level 8

2014-prezent

Doctorand Chirurgie Generala (UMF Carol Davila)

„Neoplasmul de colon- o noua abordare”, Indrumator stiintific Prof. Univ. Dr. Mircea Beuran”

2014-2015

Postdoctorand in Inginerie Chimica-„Nanoparticule utilizate in tratamentul neoplasmelor”. Indrumator stiintific Prof. Univ. Dr. Ecaterina Andronescu, Universitatea Politehnica Bucuresti, Splaiul Independentei nr 313, sector 6, Bucuresti, Cod Postal RO-060042

2010-2013

Doctor in Inginerie Chimica

Nanoemulsii pentru vectorizarea agenților terapeutici și studiul biodistribuției prin imagistică de fluorescență *in vivo*.”, teza realizata in cotutela cu Facultatea de Medicina si Farmacie „Carol Davila“ Bucuresti. Coordonatori Științifici : Prof. Dr. Ing. Ecaterina Andronescu, Prof. univ.dr. Mircea Beuran

2003-2009

Diploma de Bacalaureat

Matematica –Fizica-Colegiul National Ion Mairoescu-Giurgiu

COMPETENTE
PERSONALE

Limba(i) maternă(e)

Scrieți limba maternă / limbile materne

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	B2	B2	B2	B2	B2
Franceză	B2	B2	B2	B2	B2

INFORMATII
SUPLIMENTARE

Publicații ▪ vezi anexe

Prezentări ▪ vezi anexe

Proiecte de cercetare

1. Proiect PNCDI II (71-097/2007), “Biocompatible Iron Oxide nanoparticles obtained by co-precipitation”
2. Proiect CEEEX (150/2006), „Development of new laser techniques for designing and producing biosensors”
3. Proiect PN II 131/2014 “Studiul prin imunofluorescenta a efectului nanoparticulelor de oxid de fier” functionalizate asupra celulelor tumorale rectale maligne (DIAGTHR)
4. PNII 253/2014 “Compozite bioceramice cu aplicatii locale in terapia antibacteriana (HAPAGTHR)”

5.Component projects 48 /PCCDI/2018 "Innovative bionanomaterials for treatment and diagnosis":

- "Bionanomaterials for tissue regeneration, diagnosis,
- "Prevention and treatment of osteoporosis"
- "Intelligent nanocomposites for bone cancer diagnosis and treatment"
- "Nanostructured probes for diagnosis"

6. POCU/468/4/9/128106

ROCCAS – Development and implementation of the national level of the organizational framework necessary for the initiation of screening in colorectal cancer "

7.PN-III-P2-2.1-PED-2019-1375

Development of new antiseptics based on zinc oxide for the clinical treatment of wounds

Conferințe
Seminarii
Distincții
Afilieri
Referințe

Vezi anexe

Anexă

Premii obtinute in domeniul Chirurgical

1. Simpozion al Secțiunii Române IASGO, “aprilie 2009 Acute pancreatitis and abdominal hiperpresyon.” (lucrare premiata cu **PREMIUL 1**) - rezultate Publicat
2. European Exhibition of Creativity and Innovation (EURO INVENT) –**MEDALIA DE AUR** – Rectal cancer treatment- a new approach.
3. Premiul II la Roumania Hernia Day-2019
4. Brevet de inventie Nr.133132 cu titlul: Procedeu de obtinere a biopansamentului pe baza de hidroxiapatita dopata cu argint in matrice de colagen

Lista lucrărilor științifice

1. Teza de doctorat domeniul Inginerie chimica: ”**NANOEMULSII PENTRU VECTORIZAREA AGENȚILOR TERAPEUTICI ȘI STUDIUL BIODISTRIBUȚIEI PRIN IMAGISTICĂ DE FLUORESCENȚĂ IN VIVO**”, teza realizata in cotutela cu Facultatea de Medicina si Farmacie „Carol Davila“ Bucuresti. Coordonatori Științifici: Prof. Dr. Ing. Ecaterina Andronescu, Prof. univ.dr. Mircea Beuran.
2. Teza de doctorat domeniul Chirurgie generala, „**Neoplasmul de colon- o noua abordare**”, Indrumator stiintific Prof. Dr. Mircea Beuran
3. Lucrare de Postdoctorat
Nanoparticule utilizate in tratamentul neoplasmelor”. Indrumator stiintific Prof. Univ. Dr. Ecaterina Andronescu
Universitatea Politehnica Bucuresti, Splaiul Independentei nr 313, sector 6, Bucuresti, Cod Postal RO-060042

Articole/studii publicate în reviste cotate ISI

1. Synthesis and characterization of bio-compatible maghemite nanoparticles, Andronescu, E., Costache, M. Ciobanu, **CS, Prodan**, AM, Predoi, D, Digest Journal of Nanomaterials and biostructures 5 (3), pp. 779-786, 2010, ISI = 1.019;
2. Biocompatibility studies of iron oxide thin films dextrin, E. Andronescu, M. / Costache, C. S. Ciobanu **A.M. Prodan** Rev.Chim. 61, no. 10, pp. 925-928, 2010, ISI = 0.693
3. Influence of annealing treatment of nano-hydroxyapatite bioceramics on the vibrational properties, C. S. Ciobanu E. Andronescu, Stoicu A., O. Florea, P. Le Coustumer, S. Galaup, A.Djouadi, J.Y. Mevellec, Musa I., F. Massuyeau, **AM Prodan**, Khalid Lafdi, Trusca R., I. Pasuk, D. Predoi, Digest

Journal of Nanomaterials and biostructures, Vol. 6, No. 2, April - June, 2011, p. 609 - 624 ISI = 1.019;

4. Biocompatible magnetic iron oxide nanoparticles doped thin films dextran Produced by spin coating deposition solution, S.L. Iconaru, E. Andronescu, C. S. Ciobanu **A.M. Prodan**, P. Le Coustumer, D. Predoi, Digest Journal of Nanomaterials and biostructures, Vol. 7, No. 1, January - March 2012, p. 399- 409, ISI= 1.019; AIS = 0.2004 (Times Cited: 3).

5. Evaluation of antibacterial effect of silver nanoparticles doped hydroxyapatite, **A. M. Prodan**, P. Le Coustumer D. Predoi, FEBS Journal, 279 (Suppl. 1) (2012) 52-576; ISI = 4.25;

6. Synthesis and characterization of Polysaccharide - maghemite composite nanoparticles and Their antibacterial properties, iconaru S. L., **A. M. Prodan**, M. motel-Heino, Sizaret S., D. Predoi, MS:

Mikael Motel-Heino, Stanislas Sizaret, and Daniela Predoi, Journal of Nanomaterials, Hindawi Publishing Corporation, Volume 2013, Article ID 893 970, pp. 1-7; ISI = 1.547;

7. Iron oxide magnetic nanoparticles, characterization and toxicity evaluation by in vitro and in vivo assays, **Alina Prodan Mihaela** Simona Liliana iconaru, Steluta Ciobanu Carmen, Carmen Chifiriuc Mariana Mihai Stoica Daniela Predoi, Journal of Nanomaterials, Hindawi Publishing Corporation, 2013 in print; ISI = 1.547;

8. Physico-chemical and antibacterial studies on silver doped nano-hydroxyapatite, C. S. Ciobanu E. Andronescu, **A.M. Prodan** L. Pall, A. Costescu, P. Le Coustumer, F. Hune, L. Marutescu, n.i. Ene, R. Trusca, S.E. Barna, S.L. Iconaru, Journal of Optoelectronics and Advanced Materials, Vol 15, No. 7-8, pp. 918-922, 2013; ISI = 0.516;

9. Fabrication, characterization, biocompatibility and toxicity evaluation of iron oxide nanoparticles, Liana Cristina Popa Ecaterina Andronescu Mihai Stoica, Philippe Le Coustumer Serge Galaup, Mircea Beuran, Michael Florin Iordache, Ancuta Telcian, Coralia Bleotu, **Mihaela Alina Prodan** Digest Journal of Nanomaterials and biostructures, 2013 in print; ISI = 1.019;

10. Anti-biofilm activity of dextran-coated iron oxide nanoparticles, **Alina Prodan Mihaela** Ecaterina Andronescu Trusca Roxana Mircea Beuran Simona Liliana iconaru, Emil Stefan Barna, Mariana Carmen Chifiriuc Luminita Marutescu, Scientific Bulletin: Series B, Chemistry and Materials Science, 2013

11. Intratracheal instillation Toxicity following evaluation of iron oxide in a silica matrix in rats "**Mihaela Alina Prodan**, Steluta Carmen Ciobanu Cristina Liana Popa, Liliana Simona iconaru, Daniela Predoi," Hindawi Publishing Corporation BioMed Research International, Volume 2014, Article ID 134260,

12. "Inhibitory Effect Evaluation of Iron Oxide Thin Films Glycerol-Methicillin-Resistant Staphylococcus aureus on" C. L. Popa, **A. M. Prodan**, P. Chapon, Turculet C., D. Journal of Nanomaterials , Predoi, Vol 2015
- 13 "Preliminary histological studies on the influence of glycerol-iron-oxide nanoparticles CL POPA, E. ANDRONESCU, Turculet C., M. BEURAN, P. Le coustomer, ML BADEA, A. SURUGIU, **AM PRODAN**," Joam " Vol. 17, No. 9-10 September - October 2015, p. 1572-1576.
14. "Biological studies on iron oxide nanoparticles coated dextrin" Iconaru SL, C. Turculet, P. LE COUSTUMER, C. Bleotu, Chifiriuc MC, V. Lazar, A. SURUGIU, M. BADEA, FM IORDACHE, M. SUN **AM PRODAN**, Romanian Reports in Physics
15. Alina Surugiu Ecaterina Andronescu Turculet Claudiu Mircea Beuran Monica Luminita Badea Florin Iordache Michael, Gabriel Teleanu Marian Sun, **Mihaela Alina Prodan**, "Antimicrobial studies on oxide nanoparticles on ir in a silica matrix" - U.P.B. Sci. Bull., Series B -
16. Optical europium-doped bioactive properties of hydroxyapatite E. Andronescu, FM Iordache, CS Ciobanu, ML Badea, A. Costescu **AM Prodan** (HAp: Eu 3+) Optoelectronics And Advanced Materials - Rapid Communications Vol. 9, No. 9 10 September - October 2015, p. 1155-1159
17. Predoi, D.; Predoi, M.V.; Iconaru, S.L.; Ech Cherif El Kettani, M.; Leduc, D.; **Prodan, A.M.** Ultrasonic Measurements on β Cyclodextrin/Hydroxyapatite Composites for Potential Water Depollution. Materials 2017, 10, 681.
18. C.S Turculet, **AM Prodan**, I Negoi, G Teleanu, Preliminary evaluation of the antifungal activity of samarium doped hydroxyapatite thin films, Roumanian Biotechnological Letters, Vol 23, No5, 2018
19. **Prodan, A.M.**; Iconaru, S.L.; Predoi, M.V.; Predoi, D.; Motelica-Heino, M.; Turculet, C.S.; Beuran, M. Silver-Doped Hydroxyapatite Thin Layers Obtained by Sol-Gel Spin Coating Procedure. Coatings 2020, 10, 20. **AM Prodan**, M Beuran, CS Turculet, In vitro evaluation of glycerol coated iron oxidenanoparticles in solution , Romanian Biotechnological Letters , Vol. 23, No. 5, 2018
21. Optical properties of bioactive europium doped hydroxyapatite E. Andronescu, F. M. Iordache, C. S. Ciobanu, M. L. Badea, A. Costescu, **A. M. Prodan**, (HAp:Eu3+), Optoelectronics And Advanced Materials – Rapid Communications Vol. 9, No. 9-10, September – October 2015, p. 1155 – 1159
- 22 The tolerability of dextran-coated iron oxide nanoparticles during *in vivo* observation of the rats, C.L. Popa, **A.M. Prodan**, C.S. Ciobanu, D. Predoi, General Physiology and Biophysics 2016, 35: 299–310. doi: 10.4149gpb_2016004, **ISI (2015) = 0.892**

23. “Enamel based composite layers deposited on titanium substrate with antifungal activity” Iconaru Simona-Liliana, **Prodan Alina Mihaela**, Turculet Claudiu Stefan, Beuran Mircea, Ghita Rodica, Costescu Adrian, Groza Andreea, Chifiriuc Mariana-Carmen, Chapon Patrick, Gaiaschi Sofia, Hristu Radu Stanciu George A., Trusca Roxana, Ganciu Mihai, Raita Stefania Mariana, Vineticu Nicoleta, Ciobanu Carmen Steluta, , Journal of Spectroscopy vol. 2016, Article ID 4361051, 13 pages, 2016. doi:10.1155/2016/4361051, **ISI= 0.814**
24. Iconaru SL, **Prodan AM**, Buton N, Predoi D. Structural Characterization and Antifungal Studies of Zinc-Doped Hydroxyapatite Coatings. *Molecules* (Basel, Switzerland). 2017 Apr;22(4). DOI: 10.3390/molecules22040604.
25. Predoi D, Iconaru SL, Deniaud A, et al. Textural, Structural and Biological Evaluation of Hydroxyapatite Doped with Zinc at Low Concentrations. *Materials* (Basel). 2017;10(3):229. Published Feb 25. doi:10.3390/ma10030229
26. Preliminary evaluation of the antifungal activity of samarium doped hydroxyapatite thin films”, autori: C.S. Turculet, **A.M. Prodan**, I. Negoii, G. Teleanu, M. Popa, E. Andronescu, M. Beuran, G.A. Stanciu, R. Hristu, M.L. Badea, A. Iosif, S.M. Raita, N. Vineticu, R. Trusca, O. Lupescu *Romanian Biotechnological Letters*, Vol. 23, No. 5, 2018
27. Predoi, D.; Predoi, M.V.; Iconaru, S.L.; Ech Cherif El Kettani, M.; Leduc, D.; **Prodan, A.M.** Ultrasonic Measurements on β Cyclodextrin/Hydroxyapatite Composites for Potential Water Depollution. *Materials* 2017
28. In vitro evaluation of glycerol coated iron oxide nanoparticles in solution, autori: **A.M. Prodan**, M. Beuran, C.S. Turculet, M. Popa, E. Andronescu, C. Bleotu, S.M. Raita, M. Soare, O. Lupescu, in *jurnalul Romanian Biotechnological Letters*,
29. D. Predoi, S.L. Iconaru, N. Buton, G. Predoi, F. Barbuceanu, C.C. Petre, G. Jiga, M.L. Badea, **A.M. Prodan**, Antimicrobial Studies on Iron Oxide-Dextran Colloidal Suspension, *AIP Conference Proceedings* 1981, 020105 (2018);
30. C. C. Negrila, S. L. Iconaru, M. Motelica-Heino, R. Guegan, G. Predoi, F. Barbuceanu, R. V. Ghita, C. C. Petre, G. Jiga, M. L. Badea, **A. M. Prodan**, and D. Predoi. Commercial hydroxyapatite powders for lead removal from aqueous solution. *AIP Conference Proceedings* 1981, 020121 (2018);
31. S. L. Iconaru, A. Groza, P. Chapon, S. Gaiaschi, C. C. Petre, G. Jiga, M. Beuran, **A. M. Prodan**, O. Lupescu, R. Trusca, and D. Predoi, ZnHAp thin films for medical applications, *AIP Conference Proceedings* 1981, 020122 (2018);

32. Groza, S. L. Iconaru, C. C. Petre, G. Jiga, M. L. Badea, **A. M. Prodan**, M. Beuran, P. Chapon, S. Gaianschi, M. Ganciu, N. Verga, R. Trusca, N. Vineticu, and D. Predoi, Influence of ionizing radiations on structural and antibacterial properties of hydroxyapatite-polydimethylsiloxane layers, AIP Conference Proceedings 1981, 020123 (2018);
33. Beuran M, Negoii I, Vartic M, Runcanu A, Ciubotaru C, Cruceru A, **Prodan A** Nonelective Left-Sided Colon Cancer Resections are Associated with Worse Postoperative and Oncological Outcomes: A Propensity-Matched Study. Chirurgia (Bucharest, Romania : 1990), 01 Mar 2018, 113(2):218-226
34. Mircea Beuran, Christina Tache, Cezar Ciubotaru, Mihaela Vartic, Sorin Hostiuc, **Alina Prodan**, Massimo Sartelli, Ewen Griffiths, Matthew Hernandez, Ionut Negoii, Sarcopenia is a predictive factor for postoperative morbidity and mortality in patients with radical gastrectomy for cancer. Chirurgia (Bucur). 2018 Sept-Oct;113(5):678-686. doi: 10.21614/chirurgia.113.5.678.
- 35 Predoi, D.; Iconaru, S.L.; Predoi, M.V.; Groza, A.; Gaiaschi, S.; Rokosz, K.; Raaen, S.; Negriila, C.C.; **Prodan, A.M.**; Costescu, A.; Badea, M.L.; Chapon, P. Development of Cerium-Doped Hydroxyapatite Coatings with Antimicrobial Properties for Biomedical Applications. Coatings 2020, 10, 516.
36. Ciobanu, S.C.; Iconaru, S.L.; Predoi, D.; **Prodan, A.M.**; Predoi, M.V. Physico-Chemical Properties and In Vitro Antifungal Evaluation of Samarium Doped Hydroxyapatite Coatings. Coatings 2020, 10, 827.

Articole comunicate la manifestări de specialitate

Lucrari prezentate la congrese in domeniul Chirurgiei

1. European Congress of Trauma and Emergency Surgery May 14-17th 2009 Antalya, Turkey; Pancreatita acută și hiperpresiunea intraabdominală – cauza și efect. F. Iordache, G. Teleanu, R. Stanescu, M. Beuran, D. Surdeanu, A. Prodan – Poster
2. Zilele Argesului 5 noiembrie 2010, Pseudochist gigant de coada de pancreas-prezentare de caz clinic, Cristian Badiu, Valentin Grigorean, Vlad Nacev, Dan Olariu, Alina Prodan, Catalin Neacsu, Costel Necoara
3. Valoarea prognostica a citokinelor proinflamatorii in peritonitele acute secundare ; C Badiu., V Grigorean, D Pasarica, V Paunescu, A Prodan, D., Olariu, C Neacsu .
4. Congresul Național de Chirurgie ediția a XXVI-a, Timișoara 23-26 mai 2012. Politraumatismele așteptări și rezultate – F.M. Iordache, C. Turculeț, M. Beuran, G. Teleanu, Denisa Toma, D. Pantile, Alina Prodan –
5. Congresul Național de Chirurgie ediția a XXVI-a, Timișoara 23-26 mai 2012. Hipertensiunea intraabdominală în practică - F.M. Iordache, M. Beuran, Ioana Grințescu, C. Turculeț, Alina Prodan, D. Surdeanu –
6. Reuniune a chirurgilor din Moldova “Iacomi-Razesu” 11-14.10.2012. A case of duoden IV fistula in acute pancreatitis and therapeutic options - F. Iordache, C. Turculeț, M. Beuran, Alina Prodan A XXIV-a
7. Complicații severe după apendicectomie - F. Iordache, C. Turculeț, M. Beuran, Alina Prodan, G. Jinescu – A XXIV-a Reuniune a chirurgilor din Moldova “Iacomi-Razesu” 11-14.10.2012 Piatra-Neamt
8. Intraabdominal hypertension - diagnostic and clinical considerations – F. Iordache, M. Beuran, A. L. Chiotoroiu, Mihaela Vartic, Alina Prodan, D. Surdeanu, Oana Rosu – poster at the 10th

9. Conferința națională de Chirurgie, Sinaia, România, 2013. Managementul peritonitelor difuze. Experiența Spitalului de Urgență Floreasca; C. Turculeț, A. Prodan, F. Iordache, M. Beuran
10. Valoarea prognostică a scorului Mannheim la pacienții cu peritonită de origine colonică, F. Iordache, A. Prodan, G. Teleanu, M. Beuran
11. Peritonite postoperatorii. Importanța reintervenției precoce; C. Turculeț, A. Prodan, F. Iordache, M. Beuran, F. Iordache, M. Beuran
12. Importanța reintervenției precoce în peritonitele difuze postoperatorii, Prodan M. Beuran., C. Turculeț, F. Iordache, G. Teleanu
13. Corelații clinico-patologice în cancerul de colon drept. F. Iordache, B. Popescu, C. Turculeț, Alina Prodan, D. Ene, Georgiana Jianu, V. Grama, M. Beuran. Congresul Național de Chirurgie (XXVII) Mai 21-24 2014, Sinaia, România.
14. Hemicolecomia dreaptă pentru leziunile benigne: rezultatele nu sunt întotdeauna cele așteptate. B. Popescu, F. Iordache, C. Turculeț, Alina Prodan, D. Ene, Georgiana Jianu, V. Grama, M. Beuran. Congresul Național de Chirurgie (XXVII) Mai 21-24 2014, Sinaia
15. Leziunile iatrogene de căi biliare. C. Turculeț, B. Popescu, F. Iordache, Alina Prodan, D. Ene, M. Beuran. Congresul Național de Chirurgie (XXVII) Mai 21-24 2014, Sinaia, România.
16. Cancerul gastric avansat - o experiență pe 3 ani. B. Popescu, F. Iordache, C. Turculeț, Alina Prodan, D. Ene, Mihaela Vartic, Ioana Grințescu, M. Beuran. Congresul Național de Chirurgie (XXVII) Mai 21-24 2014, Sinaia, România.
17. Peritoneal bacterial contamination during rectal resections with open or closed rectal stump. A randomized controlled trial F. Iordache, R. Bergamaschi, A. Prodan, M. Beuran, 23rd Congress of the European Association of Endoscopic Surgery (EAES), 3-6 June, 2015
18. AGE IS A MARKER OF POSSIBLE PROBLEMS IN LAPAROSCOPIC CHOLECYSTECTOMY FOR GALLBLADDER LITHIASIS -A CASE CONTROL STUDY-Authors: F. Iordache 1, 2, A. Prodan 1, M. Dămăceanu 1, C. Turculeț 1, 2, M. Beuran 1, 2, B. Popescu 1, 2, D. Ene 1, 2, 23rd Congress of the European Association of Endoscopic Surgery (EAES), 3-6 June, 2015.
19. IRON OXIDE NANOPARTICLES USED IN CANCER TREATMENT, Prodan 1, M. Beuran 1, 2, C. Turculeț 1, 2, I. Negoii 1, 2, G. Teleanu 1, M. Matei 1, P. Avram 3, AMR 2021 apr 2017
20. The International Medical Students' Congress of Bucharest, 5-9 decembrie 2018; An uncommon approach to a large incisional hernia case combining Botulinum Toxin A administration with Posterior Component Separation; Laura Ioana Florea, Alina Prodan, Matei Mihai
21. ARCE, 2019, BUCHAREST The role of open surgery in repairing incisional hernias with loss of domain. It is always laparoscopy a solution, A. Prodan, M. Matei, B. Cancea.
22. ARCE, 2019, BUCHAREST Our experience with the enhanced-view totally extraperitoneal (eTEP) technique for laparoscopic retromuscular inguinal hernia repair. Prodan, M. Matei, B. Cancea.
23. RHD, 2019 " Our surgical treatment strategy in a case of giant inguinoscrotal hernia" , Prodan, M. Matei, B. Cancea.
24. RHD, 2019, " Abdominal closure after thoraco-abdominal tumor resection with Transversus Abdominis Muscle Release and Mesh" , Prodan, M. Matei, B. Cancea.

Participări la conferințe în domeniul Nanomedicinii

1. Colloids and Nanomedicine 2012, 15-17 July 2012, Amsterdam, The Netherlands, Synthesis and characterization of polysaccharide – maghemite composite nanoparticles and their antibacterial properties, S.L. Iconaru, A. M. Prodan, E. Andronescu, E.S. Barna, M. Motelica-Heino, S. Sizaret, D. Predoi.

Antibacterial activity of silver doped hydroxyapatite nanoparticles: A.M. Prodan, C.S. Ciobanu, S.L. Iconaru, P. Le Coustumer, D. Predoi.

2. 22nd IUBMB & 37th FEBS Congress 2012, 4-9 September, Sevilla, Spain, The antimicrobial activity of fabricated iron oxide nanoparticles: S. L. Iconaru, C.S. Ciobanu, A.M. Prodan, D. Predoi.

Evaluation of antibacterial effect of silver doped hydroxyapatite nanoparticles : A.M. Prodan, P. Le Coustumer, D. Predoi.

3. 6th GD Day, 2012, 21 September, Paris, France (POSTER), Preparation of silver doped hydroxyapatite nanostructure by thermal evaporation: C.S. Ciobanu, S.L. Iconaru, A.M. Prodan, R.V. Ghita, M. Ganciu, P. Chapon, P. Le Coustumer, D. Predoi.

4. The 3rd International Colloquium "Physics Of Materials" (PM-3), 15-16 November 2012, Bucharest, Romania, Physico-chemical and in vitro studies on iron oxide nanoparticles, A.M. Prodan, E. Andronescu, C.S. Ciobanu, B. Vasile, P. Le Coustumer, D. Predoi, Antibacterial studies on novel porous hydroxyapatite doped with silver ions, C.S. Ciobanu, A. Costescu, S.L. Iconaru, A.M. Prodan, N.I. Ene, I. Chireac, M. Ganciu, P. Le Coustumer, F. Huneau, M. Motelica, D. Predoi.

Novel porous hydroxyapatite for environmental application, C. S. Ciobanu, E. Andronescu, B. Vasile, R. Trusca, A. Costescu, S.L. Iconaru, A.M. Prodan, P. Le Coustumer, F. Huneau, M. Motelica, D. Predoi.

5. 5th FESTEM International Symposium - Trace Elements in Avignon: Bridging between new Advances and Public Health Issues 22-24 May 2013, Preparation of silver doped hydroxyapatite thin films with environmental applications, S.L. Iconaru, E. Andronescu, C. Ciobanu, R.V. Ghita, A.M. Prodan, P. Chapon, P. Le Coustumer, A. Costescu, D. Predoi.

6. International Conference Innovation and Collaboration in Engineering Research Bucharest 20-22 June 2013, Anti-biofilm activity of dextran coated iron oxide nanoparticles, Alina Mihaela Prodan, Ecaterina Andronescu, Bogdan Stefan Vasile, Mircea Beuran, Luminita Marutescu, Mariana Carmen Chifiriuc, Emil Stefan Barna, Simona Liliana Iconaru.

7. The XVII International Sol-Gel Conference Madrid, Spain 25-30 August 2013, Synthesis of ceramic composites for environmental applications, S.L. Iconaru, C.S. Ciobanu, A. Costescu, E. Andronescu, M. Motelica-Heino, P. Le Coustumer, A. M. Prodan, D. Predoi.

8. Prodan AM, Popa CL, Stoicea M, Ciobanu CS, Motelica M, Sizaret S, Predoi D Characterization and Toxicity Evaluation of Iron Oxide in a Silica Matrix by in vitro and in vivo Assays ISOS XVII BERLIN 2014 - The 17th International Symposium on Silicon Chemistry, Berlin, Germany 3-8 August 2014, Poster

9. Ciobanu CS, Iconaru SL, Prodan AM, Motelica M, Guegan R, Popa CL, Albu MG, Predoi D New Nanocomposites Based on Hydroxyapatite in Collagen Matrix for Environmental Applications ISOS XVII BERLIN 2014 - The 17th International Symposium on Silicon Chemistry, Berlin, Germany 3-8 August 2014, Poster

10. Prodan AM, Iconaru SL, Popa CL, Predoi D In vivo toxicity studies of dextran coated iron oxide nanoparticles FEBS MEBO 2014, Paris, France 30 August-4 September 2014, Poster

11. Iconaru SL, Prodan AM, Ciobanu CS, Motelica-Heino M, Predoi D In vivo toxicity studies of superparamagnetic iron oxide nanoparticles in a silica matrix FEBS MEBO 2014, Paris, France 30 August-4 September 2014, Poster

12. "A.M. Prodan, C.S. Ciobanu, Mircea Beuran, Claudiu Turculet, Gabriel Teleanu, M. Motelica-Heino, Stanislas Sizaret, Daniela Predoi. "Effect of annealing temperature on antibacterial activity of silver doped hydroxyapatite thin films for environmental applications", 20th International Conference on Magnetism (ICM2015)", 5-10 July 2015, Barcelona, Spain, Poster.

13. A.M. Prodan, C.S. Ciobanu, M. Beuran, C. Turculet, C. Pavelescu, G. Teleanu, P. Chapon, D. Predoi, Evaluation of dextran coated iron oxide magnetic nanoparticles toxicity after intratracheal instillation, "15th EUROPEAN CONFERENCE ON SOLID STATE CHEMISTRY (ECSSC 15)", 23-26 August, 2015

14“Antimicrobial activity of collagen/silver doped hydroxyapatite composites against gram-positive and gram-negative bacteria”, autori A.M. Prodan, C.S. Ciobanu, S.L. Iconaru, C.L. Popa, G. Voicu, D.Predoi.

“European Chemistry Congress”, Roma, Italia (14-19 iunie 2016).

15. “8th International GD Day”, Paris, Franta (14-18 septembrie 2016).

16”Antifungal activity against Candida albicans biofilm of composite layers based on silver doped hydroxyapatite-polydimethylsiloxanes”, Autori : C.S.Ciobanu, C.L. Popa, S.L. Iconaru, S. Gaiaschi, P. Chapon, A.M. Prodan, A. Groza, M. Ganciu, D. Predoi.

17”Evaluation of inhibitory effect of Glycerol-Iron oxide layers on MRSA”, Autori: S. L. Iconaru, C.L. Popa, C.S. Ciobanu, S. Gaiaschi, P. Chapon, A.M. Prodan, M. Beuran, C. Turculet, D. Predoi”Structural and 18Antimicrobial Properties of Silver Doped Hydroxyapatite Thin Films Deposited On PDMS/Si”, Autori : C.L. Popa, C.S. Ciobanu, S.L. Iconaru, S. Gaiaschi, P. Chapon, A.M. Prodan, R. Ghita, A. Groza, M. Ganciu, D. Predoi.”Structural And Biological Evaluation Of Iron Oxide-Dextran Nanostructures Thin Films”, S. A. Predoi, S.L. Iconaru, C.L. Popa, C.S. Ciobanu, S. Gaiaschi, P. Chapon, M. Beuran, C. Turculet, A.M. Prodan.

19.Fabrication and Characterization of Iron Oxide Dextran Composite Layers”, autori: S.L.Iconaru, S.A. Predoi, M. Beuran, C.S. Ciobanu, R. Trusca, R. Ghita, I. Negoii, G. Teleanu, S.C. Turculet, M. Matei, Monica Badea, A.M. Prodan.

20.Physico-Chemical Characteristics And Antimicrobial Studies Of Silver Doped Hydroxyapatite”, autori: D. Predoi, M.V. Predoi, Moncef Ech Cherif El Kettani, Damien Leduc, S.L. Iconaru, C.S. Ciobanu, N. Buton, C.C. Petre, A.M. Prodan.

21. Application of biocompatible magnetite nanoparticles for the removal of As and Cu from water”, autori: S.L. Iconaru, M. Beuran, C.S. Turculet, I. Negoii, G. Teleanu, A.M. Prodan, M. Motelica-Heino, R. Guégan, C.S. Ciobanu, G. Jiga⁵, Daniela Predoi

22.19th International Sol-Gel Conference in Liège, Belgium

23”In Vivo Toxicity Of Glycerol Coated Iron Oxide Nanoparticles”, autori: D. Predoi , S.Iconaru, A. M. Prodan, C.S. Ciobanu, M. Beuran, C.S. Turculet, M. Soare.

24.The 9th Conference on "Times of Polymers (TOP) & Composites, 17-21 June 2018, Ischia, Italy

25D. Predoi, S.L. Iconaru , N. Buton, G. Predoi, F. Barbuceanu, C.C. Petre, G. Jiga, M.L. Badea, A.M. Prodan, Antimicrobial Studies on Iron Oxide-Dextran Colloidal Suspension;

26C. C. Negrila, S. L. Iconaru, M. Motelica-Heino, R. Guegan, G. Predoi, F. Barbuceanu, R. V. Ghita, C. C. Petre, G. Jiga, M. L. Badea, A. M. Prodan, and D. Predoi. Commercial hydroxyapatite powders for lead removal from aqueous solution. AIP Conference Proceedings 1981, 020121 (2018);

27.International Conference of Materials Science and Engineering , 27-29 August 2018, Valencia, Spania

28A.M. Prodan, S.L. Iconaru, M. Motelica, R. Guegan, M.L. Badea, M. Beuran, F. Barbuceanu, G. Predoi, R.V. Ghita, D. Predoi, New cetyltrimethylammonium bromide coated iron oxide nanoparticles (FexOy-CTAB) for arsenic removal from water.

Participari la Congrese in domeniul Chirurgical

1. Al XXV-lea Congres National de Chirurgie, Cluj-Napoca, 3-6 mai 2010.
2. Zilele medicale ale argesului si Muscelului, Pitesti, 4-6 noiembrie 2910.
3. Simpozionul de Tehnologii Avansate in Medicina, Bucuresti, 11-12 noiembrie 2010.
4. Al XXII-lea Simpozion al Sectiunii Romane Iasgo. Al V-lea Simpozion National al ARCHBPTH. Al II-lea CongresEALTS, Bucuresti,13-16aprilie 2011.
5. Al III-lea Simpozion National de Chirurgie Bariatrica, Bucuresti, 26 noiembrie 2011.

6. Al XIII-lea Simozion al Sectiunii Romane IASGO. Al VI-lea Simpozion National al ARCHBPTH, Bucuresti, 25-28 aprilie 2012.
7. Conferinta Nationala de Chirurgie, Sinaia, 30mai-1 iunie 2013.
8. Al-23-lea Congres Mondial al Asociatiei Internationale a Chirurgilor, Gastroenterologilor si Oncologilor, Bucuresti,18-21, septembrie 2013.
9. Al VI-lea congresNational al Asociatiei Romane de Chirurgie Endoscopica. Simpozionul de Chirurgie minim invaziva in Ginecologie, Bucuresti, 2013.
10. Al VII Congres National al Asociatiei Romane pentru Chirurgie Endoscopica Bucuresti 21-23 noiembrie 2013.
11. Congresul National de Chirurgie, editia XXVII-a, Sinaia, 21-24 mai,2014.
12. Congresul anual al Asociatiei Medicale Romane, Bucuresti 16-18 aprilie 2015
13. Congresul Universitatii de Medicina si Farmacie Carol Davila, Bucuresti, editia a III a
14. 23-rd EAES International Congress 3-6 iunie 2015, Bucharest, Romania
15. Conferinta Nationala de Chirurgie, Bucuresti, 14-17 septembrie 2015.
- 16.ECTES, Bucuresti aprilie 2017
- 17.ARCPA, Bucuresti , octombrie , 2017
- 18.ARCE, Bucuresti noiembrie, 2017
- 19.ARCE, BUCURESTI, 2019
20. CNC, Bucuresti 2019
- 21.41 st Annual EHS congress 2019, 11-14c sept 2019, Hamburg, Germania
21. RHD. Bucuresti 2019
- 22.RHD Bucuresti 2020
23. RHD. Bucuresti 2021

Cursuri de specializare

1. Atestat in medicina de urgenta (SMURD)- Targu- Mures 2007.
2. Instructor basic surgycal skills 2007 Facultatea de Medicina si Farmacie” Carol Davila” Bucuresti.
3. Atestat basic surgycal skills-2007 Facultatea de Medicina si Farmacie” Carol Davila” Bucuresti.
4. Atestat „Basic surgycal skills and basic laparoscopic skills” -2007 Facultaty of Medicine Ovidius Constanta.
5. Indicatiile si limitele managementului non-operator in trauma contuziva abdominala-3mai 2010- Congresul National de chirurgie, Cluj-Napoca3-6 mai -2010.
6. Curs de tehnici avansate in chirurgia cancerului rectal asistata robotic-23 noiembrie 2011-Centrul de Chirurgie generala si transplant hepatic Dan Setlacec.
7. Notiuni fundamentale in chirurgia laparoscopica16-18.03.2011.Centrul de Training in chirurgie laparoscopica, Bucuresti, Romania.
8. European Course on Laparoscopic Surgery 15-18 noiembrie, 2011 Saint Pierre University Hospital (Brussels), Belgium.
- 9.Training Course in Laparoscopic Advanced Digestive Surgery – Colon and Rectum Patology April, 23-25 2012 .Centrul de Training in chirurgie laparoscopica, Bucuresti, Romania.
10. Tehnologia DST standard de aur in chirurgia colorectala-Spitalul Clinic Coltea
11. Curs microscopie electronica de transmisie-Bordeaux Imaging Center 20.11.2012.
12. Advanced workshop in rectal cancer-5-6 noiembrie2013, Bucharest, Romania.
13. Curs interactiv de tehnici moderne in chieurgia peretelui abdominal, 14 martie 2014
14. Cursul European MUSEC (Modular Ultrasound ESTES Course), mai 2014, Sinaia
15. Advanced workshop on gastric cancer 20-21 noiembrie 2014, Bucuresti, Romania
16. Abordul laparoscopic al herniilor abdominale, Bucuresti 7-8 mai, 2015

17. „How to write a paper „, 1-2 iunie 2015, Bucharest Romania
18. Ventral hernia surgery, 4/5 May, 2017, Bucharest.
19. Course for Monitoring the quality of hospital services. Compliance Program Module II, Sinaia, April 20
20. Event Surgery November 15-17, 2018, Bucharest, MedLife Hospital
21. Liver resection course May 14-15, 2018, Bucharest, UMF Carol Davila
22. Fundamental notions of mechanical suturing in classical and laparoscopic surgery September 19-21, 2018, Bucharest, Ponderas Hospital
23. Masterclass in AWR, Istanbul , Turcia, 8-10 aug 2022

Membru al asociațiilor profesionale naționale

1. Membru al Societății române de Chirurgie – din 2010
2. Membru al Asociației Române pentru Chirurgie Endoscopică și Alte Tehnici Intervenționale (ARCE) – din 2014
3. Membru Hernia Training Center
4. Membru Societatea Medicilor Cercetatori din Romania

16.08.2022

Dr. Alina Mihaela Prodan