



Isabela Caizer-Găitan

Cetățenie: română **Data nașterii:** 05/08/1988 **Gen:** Feminin

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Muncă: Piata Eftimie Murgu nr.2, 300041 Timisoara (România)

EXPERIENȚA PROFESIONALĂ

Asistent universitar

Universitatea de Medicina si Farmacie Victor Babes Timisoara [01/10/2021 – În curs]

Localitatea: Timisoara

Țara: România

Disciplina de Abilități Clinice Practice

Activitate didactica si de cercetare

Medic Specialist Chirurgie Plastica, Estetica si Microchirurgie Reconstructiva

Clinica de Chirurgie Plastica Casa Austria, Spitalul Judetean de Urgenta 'Pius Brinzeu' Timisoara [01/2019 – În curs]

Localitatea: Timisoara

Țara: România

Medic Rezident Chirurgie Plastica, Estetica si Microchirurgie Reconstructiva

Clinica de Chirurgie Plastica Casa Austria Spitalul Clinic Judetean de Urgenta Pius Brinzeu [01/2014 – 12/2018]

Localitatea: Timisoara

Țara: România

EDUCATIE

Doctor în Medicină

[09/2023]

Summa cum laude

Alternative, non-invazive and non-toxic therapy of breast cancer by superparamagnetic hyperthermia with biocompatible spion-gamma-cyclodextrin nanoparticles

Master Program de formare psihopedagogica Universitatea de Vest Timisoara

[01/10/2022 – 2023]

Student Doctorand

[10/2016 – 07/2023]

Universitatea de Medicina si Farmacie Victor Babes Timisoara

Diploma de Licenta, titlul Doctor- Medic, domeniul Sanatate, specializarea Medicina

[2013]

Universitatea de Medicina si Farmacie Victor Babes Timisoara

Diploma de Bacalaureat, profil Teoretic- Real, Matematica si Informatica Avansat

[2003 – 2007]

Colegiul National Constantin Diaconovici Loga

PUBLICAȚII

Cobalt Doped Fe₃O₄ Nanoparticles for Magnetic Hyperthermia Application

[2023]

Isabela Simona Caizer, Costica Caizer

AIP CONFERENCE PROCEEDINGS, TIM 20-21 Physics Conference, (2023) 010001 (pp. 1-8) (**accepted, in press**) (AIP – American Institute of Physics, AIP Publishing, <https://pubs.aip.org/aip/acp/issue/2218/1>). Section: Applied Physics and Interdisciplinarity (API). Indexată: Web of Science;

High Efficacy on the Death of Breast Cancer Cells Using SPMHT with Magnetite Cyclodextrins Nanobioconjugates

[2023]

Pharmaceutics

Costica Caizer¹, **Isabela Simona Caizer-Gaitan**^{1,2,3}, Claudia Geanina Watz^{4,5}, Cristina Adriana Dehelean^{5,6}, Tiberiu Bratu², Codruța Soica^{5,7}

Link: <https://doi.org/10.3390/pharmaceutics15041145>

Superparamagnetic Hyperthermia Study with Cobalt Ferrite Nanoparticles Covered with γ -Cyclodextrins by Computer Simulation for Application in Alternative Cancer Therapy

[2022]

International Journal of Molecular Sciences

Isabela Simona Caizer^{1,2,3}, Costica Caizer³

Link: <https://www.mdpi.com/1422-0067/23/8/4350>

Fe₃O₄-PAA-(HP- γ -CDs) Biocompatible Ferrimagnetic Nanoparticles for Increasing the Efficacy in Superparamagnetic Hyperthermia

[2022]

Nanomaterials

Costica Caizer¹, **Isabela Simona Caizer**^{1,2,3}, Roxana Racoviceanu^{4,5}, Claudia Geanina Watz^{5,6}, Marius Mioc⁴, Cristina Adriana Dehelean^{4,5}, Tiberiu Bratu², Codruța Soica^{4,5}

Link: <https://doi.org/10.3390/nano12152577>

Study on Maximum Specific Loss Power in Fe₃O₄ Nanoparticles Decorated with Biocompatible Gamma-Cyclodextrins for Cancer Therapy with Superparamagnetic Hyperthermia

[2021]

International Journal of Molecular Sciences

Costica Caizer¹, **Isabela Simona Caizer**^{1,2,3}

Link: <https://www.mdpi.com/1422-0067/22/18/10071>

Magnetic nanoparticle nanoformulations for alternative therapy of cancer by magnetic/superparamagnetic hyperthermia

[2020]

Chapter in Nanoformulations in Human Health: Challenges and Approaches. Edit. Springer 2020.

Costică Caizer, Cristina Dehelean, Dorina Elena Coricovac, **Isabela Simona Caizer**, Codruta Șoica

Link: https://link.springer.com/chapter/10.1007/978-3-030-41858-8_22

Microsurgical reconstruction in giant Marjolin's ulcer of the popliteal region

[2018]

Archive of Clinical Cases

Isabela S Caizer^{1,2}, Vlad A Bloanca^{1,2}, Tiberiu Bratu^{1,2}, Zorin Crăiniceanu^{1,2}

REȚELE ȘI AFILIERI

Memberships

Asociația Chirurșilor Plasticieni din România 2017

- **European Society Of Plastic Reconstructive and Aesthetic Surgery**
- **European Board Of Plastic and Reconstructive Surgery**
- **European Burn Association**
- **International Plastic Reconstructive and Aesthetic Society**

Societatea Română de Chirurgie Estetică 2016

Colegiul Medicilor România 2016

CONFERINȚE ȘI SEMINARE

Conferences

LUCRARI PREZENTATE LA CONFERINTE

1. Costica Caizer, **Isabela Simona Caizer**, Roxana Racoviceanu, Claudia Geanina Watz, Mioc Marius, Cristina Adriana Dehelean, Tiberiu Bratu, Codruta Marinela Soica, 3NANO-22 Nano Science/Technology/ Biotechnology International Conference, 20-23 Sept., Roma, 2022.
2. C. Caizer, **I.S. Caizer**, C. Soica, R. Racoviceanu, M. Mihoc, The (Co-Fe)f ferrite biocompatible magnetic nanoparticles for increasing efficacy and reducing toxicity in superparamagnetic hyperthermia for alternative cancer therapy, 13th International Conference on Physics of Advanced Materials (ICPAM-13), September 24-30, 2021, Sant Feliu de Guixols, Spain. Abstract Book: pp. 47-49.
3. R. Racoviceanu, M. Mioc, C. Soica, C. Caizer and **I.S. Caizer**, Cobalt doped Fe₃O₄ nanoparticles – synthesis, characterization and magnetic hyperthermia application, TIM 20-21 Physics Conference, November 11th-13th, 2021, Timisoara, Romania. Abstract Book: API-O12.
4. **Isabela S. Caizer**, Vlad A. Bloanca, Georgeana Prilipceanu, Alexandru Pesecan, Tiberiu Bratu, Zorin Crainiceanu, Toe-to-hand transfer combined with free flap for two-stage reconstruction of the complex trauma hand, 11th BAPRAS Congress, 9-11 May 2019, Cluj-Napoca, Romania.

5. **Isabela S.Caizer**, Vlad A.Bloanca, Romeo Muntean, Cristi Tarta, Zorin Crainiceanu, Vaginal reconstruction with modified pudendal thigh flap after anal cancer surgery, ROAPS,SRCE,MBC Conference, 16-19 May 2018, Bucharest, Romania.
6. C. Caizer, C. Soica, C. Dehelean, A. Radu, **I.S. Caizer**, Study on toxicity of the superparamagnetic nanoparticles on the cells in order to use them in cancer therapy, The 8th International Conference on Fine Particle Magnetism, June 24-27, 2013, Perpignan, France. Contribution: p. 130.

PROIECTE

Membru echipa de proiect

[2020 - 2022]

PN-III-P2-2.1-PED-2019-3067, Nanobiostructuri inovative cu nanoparticule ferimagnetice conjugate cu ciclodextrine pentru a crește eficacitatea și a reduce toxicitatea în terapia cancerului prin hipertermie SP-magnetică.

COURSES

Curs Radioprotecție

[10/2023]

CURSURI DE SPECIALIZARE

Nov 20-Feb 21 **C19 SPACE COVID19** Skills Preparation Course. European Society of Intensive Care Medicine. Online Course.

29/30 Nov 2019 **Breast Augmentation & Reconstruction Symposium**. Mentor Course. Bucharest, Romania.

17 Oct 2019 **Primary Breast Reconstruction after Prophylactic Mastectomy with ADAM and Prepectoral Prosthesis**. Timisoara, Romania.

10/11 Sept 2018 **Basic Micorsurgical Course** Pius Brinzeu Center, University Medicine and Pharmacy Timisoara, Romania.

10 June 2016 **Cervico-Facial Aesthetic Surgery- MACS. Lift & Facial Fat Grafting**. Pullman Hotel Bucharest, Romania.

7/9 Sept 2015 Workshop **Clinical Experience with Enzymatic Debridement of Deep Burns by NexoBrid**. Berlin, Germany.

22 July 2015 Next step in Romanian Transplant- **Hand transplant**. Cluj, Romania.

2/4Apr 2015 Participant Workshop **Modern Possibilities of Osteosynthesis for Hand Bones Zimmer Hand & Wrist Solutions**

3/8 May 2011 **Basic Life Support** Course. Timisoara, Romania.

15/16 April 2010 **PRIME Course** for Students of Medicine. Learning to be a Good Doctor. **University of Brighton**. Timisoara, Romania.

DISTINȚII ONORIFICE ȘI PREMII

Honours and awards

[2019]

Zetta Gala

Entry Prize for remarkable results in the professional activity

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): **Română**

Altă limbă (Alte limbi):

engleză

COMPREHENSIUNE ORALĂ C1 CITIT C1 SCRIS C1
EXPRIMARE SCRISĂ C1 CONVERSAȚIE C1

franceză

COMPREHENSIUNE ORALĂ B1 CITIT B1 SCRIS B1
EXPRIMARE SCRISĂ B1 CONVERSAȚIE B1

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

COMPETENȚE DIGITALE

Atestat de Competențe Profesionale Nivel Mediu de Programare / Atestat de Competențe Profesionale - Operare pe Calculator

COMPETENȚE ORGANIZATORICE

Competențe soft

- Managementul timpului și a priorităților
 - Capacitate de analiză
 - Lucrul în echipă
 - Rezolvarea problemelor
 - Învățare continuă
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