

Isabela Caizer-Găitan

# 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)** (AI P – American Institut 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-Gaitan1,2,3**, Claudia Geanina Watz4,5, Cristina Adriana Dehelean5,6, Tiberiu Bratu2, Codruța Soica5,7

**Link:** [https://doi.org/10.3390/pharmaceutics15041145](https://europa.eu/europass/eportfolio/screen/redirect-external?url=https%3A//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 Caizer1,2,3**, Costica Caizer3

**Link:** [https://www.mdpi.com/1422-0067/23/8/4350](https://europa.eu/europass/eportfolio/screen/redirect-external?url=https%3A//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 Caizer1,2,3**, Roxana Racoviceanu4,5, Claudia Geanina Watz5,6, Marius Mioc4, Cristina Adriana Dehelean4,5, Tiberiu Bratu2, Codruța Soica4,5

**Link:** [https://doi.org/10.3390/nano12152577](https://europa.eu/europass/eportfolio/screen/redirect-external?url=https%3A//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 Caizer1,2,3**

**Link:** [https://www.mdpi.com/1422-0067/22/18/10071](https://europa.eu/europass/eportfolio/screen/redirect-external?url=https%3A//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 Şoica **Link:** [https://link.springer.com/chapter/10.1007/978-3-030-41858-8\_22](https://europa.eu/europass/eportfolio/screen/redirect-external?url=https%3A//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 Caizer1,2**, Vlad A Bloancă1,2, Tiberiu Bratu1,2, Zorin Crăiniceanu1,2

# REȚELE ȘI AFILIERI

## Memberships

Asociatia Chirurgilor Plasticieni din Romania 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 Romana de Chirurgie Estetica 2016 Colegiul Medicilor Romania 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 2430, 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 11th13th, 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, 11thBAPRAS 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 Ostheosynthesis 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.

# DISTINCȚII ONORIFICE ȘI PREMII

## Honours and awards

[ 2019 ]

Zetta Gala

Entry Prize for remarcable results in the professional activity

**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 LINGVISTICE**

Limbă(i) maternă(e): **Română**

# COMPETENȚE DIGITALE

Atestat de Competente Profesionale Nivel Mediu de Programare / Atestat de Competene Profesionale - Operare pe Calculator

# COMPETENȚE ORGANIZATORICE

## Competente soft

* Managementul timpului si a prioritatilor
* Capacitate de analiza
* Lucrul in echipa
* Rezolvarea problemelor
* Invatare continua