# LISTA LUCRĂRILOR ȘTIINȚIFICE PUBLICATE

*As. Univ. Dr. Isabela Caizer-Găitan*

* **Articole științifice publicate în reviste ISI – Web of Science (WOS), cu factor de impact (IF);**

# 1. Autori: Costica Caizer, Isabela-Simona Caizer-Găitan, Claudia-Geanina Watz, Cristina-Adriana Dehelean, Tiberiu Bratu, Codruța Soica

# Titlu: *High Efficacy on the Death of Breast Cancer Cells Using SPMHT with Magnetite Cyclodextrins Nanobioconjugates*

# Revista: PHARMACEUTICS, 2023, 15, 1145 (pp. 1 – 20)

Section: NANOMEDICINE AND NANOTECHNOLOGY

Indexată: **PubMed**

# *Factorul de impact*: IF = 6.525, zona *ROȘIE* (Q1);

# 2. Autori: Costica Caizer, Isabela Simona Caizer, Roxana Racoviceanu, Claudia-Geanina Watz, Marius Mioc, Cristina-Adriana Dehelean, Tiberiu Bratu, Codruța Soica

# Titlu: *Fe3O4-PAA–(HP-γ-CDs) Biocompatible Ferrimagnetic Nanoparticles for Increasing the Efficacy in Superparamagnetic Hyperthermia*

# Revista: NANOMATERIALS, 2022, 12, 2577 (pp. 1 – 28)

Indexată: **PubMed**

# *Factorul de impact*: IF = 5.719, zona ROȘIE (Q1);

# 3. Autori: Isabela Simona Caizer, Costica Caizer

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

# Revista: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 2022, 23, 4350 (pp. 1 – 25)

Special Issue: NANOMATERIALS IN CANCER DIAGNOSIS AND THERAPY

Indexată: **PubMed**

# *Factorul de impact*: IF = 6.208, zona ROȘIE (Q1);

# 4. Autori: Costica Caizer, Isabela Simona Caizer

# Titlu: *Study on Maximum Specific Loss Power in Fe3O4 Nanoparticles Decorated with Biocompatible gamma-Cyclodextrins for Cancer Therapy with Superparamagnetic Hyperthermia*

# Revista: INTERNATIONAL JOURNAL OF MOLECULAR

# SCIENCES, 2021, 22, 10071 (pp. 1 – 22)

Special Issue: NANOMATERIALS IN CANCER

DIAGNOSIS AND THERAPY

Indexată: **PubMed**

# *Factorul de impact*: IF = 6.208, zona ROȘIE (Q1);

* **Articole științifice publicate în reviste indexate Web of Science (WOS);**

# 5. Autori: Isabela Simona Caizer, Costica Caizer

Titlu: *Cobalt Doped Fe3O4 Nanoparticles for Magnetic Hyperthermia Application*

# Revista: AIP CONFERENCE PROCEEDINGS, TIM 20-21 Physics Conference, (2023) 010001 (pp. 1−8) (accepted, in press)

# (AIP – 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**

* **Articole științifice publicate în reviste ştiinţifice naţionale;**

# 6. Autori: Isabela Simona Caizer, Vlad Bloancă, Tiberiu Bratu, Zorin Crăiniceanu

# Titlu: *Microsurgical reconstruction in giant Marjolin’s ulcer of the popliteal region*

# Revista: ARCHIVE OF CLINICAL CASES 2018, 5(3), 74−78

# Indexată: BDI, PubMed

* **Teză de doctorat**

Titlul: **”*Terapia alternativă, neinvazivă și fără toxicitate a cancerului mamar prin hipertermie superparamagnetică cu nanoparticule biocompatibile SPION−γ-ciclodextrine*”.**

Calificativ: *Summa cum laude* (2023).

* **Capitole de cercetare publicate în volume ştiinţifice, în edituri WOS;**

# 7. Autori: Costică Caizer, Cristina Dehelean, Dorina Elena Coricovac, Isabela Simona Caizer, Codruţa Şoica

# Titlu: *Magnetic Nanoparticles Nanoformulations for Alternative Therapy of Cancer by Magnetic/Superparamagnetic Hyperthermia*, pp. 503 − 530;

Capitol de *cercetare* publicat în: NANOFORMULATIONS IN HUMAN HEALTH(Book)

Editori:S. Talegaonkar, M. Rai

# Editura: SPRINGER, Berlin/Heidelberg, Germany, 2020

# Indexată: Web of Science

* **Lucrări științifice publicate ca rezumate în volumele unor Conferinţe Internaţionale (Abstract Book);**

**8.** Costica Caizer, **Isabela Simona Caizer**, Roxana Racoviceanu, Claudia Geanina Watz, Mioc Marius, Cristina Adriana Dehelean, Tiberiu Bratu, Codruţa Marinela Şoica, *The Fe3O4-PAA-(HP-γ-CDs) Biocompatible Ferrimagnetic Nanoparticles for Increasing Efficacy and Reducing Toxicity in Superparamagnetic Hyperthermia: A Promising Approach for Alternative Cancer Therapy*, **3NANO-22 Nano Science/ Technology/ Biotechnology International Conference**, 20-23 Sept. 2022, Roma, ITALY; Contribution: ID-029.

# 9. Costica Caizer, Isabela Simona Caizer, Codruta Soica, Roxana Racoviceanu, Marius 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; Contribution: pp. 47−49.

**10.** Roxana Racoviceanu, Marius Mioc, Codruta Soica, Costica Caizer, **Isabela Simona Caizer**, *Cobalt doped Fe3O4 nanoparticles – synthesis, characterization, and magnetic hyperthermia application,* **TIM 20-21 Physics Conference**, November 11th−13th, 2021, Timişoara, Romania; Contribution: API-O12.

**11.** Costica Caizer, Codruta Soica, Cristina Dehelean, Alina Radu, **Isabela Simona 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.

# Alte lucrări ştiinţifice, prezentate la Conferinţe Internaționale;

**12. Isabela Simona Caizer**,Vlad 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 Balkan Association of Plastic Reconstructive and Aesthetic Surgery Congress (BAPRAS), 12th National Congress of the Romanian Society for Surgery of the Hand, 13th National Congress of the Romanian Society for Reconstructive Microsurgery**, 9-11 May 2019, Cluj-Napoca, Romania.

**13. Isabela Simona Caizer**, Vlad A. Bloanca, Romeo Muntean, Cristi Tarta, Zorin Crainiceanu, *Vaginal reconstruction with modified pudendal thigh flap after anal cancer surgery,***XVth Congress of the Romanian Association of Plastic Surgeons, XIIth Congress of the Romanian Aesthetic Surgery Society, XXth Mediterranean Burns Council Meeting**(**ROAPS, SRCE, MBC Conference)**, 16-19 May 2018, Bucharest, Romania.