

## A. 10 publicatii relevante

1. Ioana Creanga-Murariu, Leontina Elena Filipiuc, Magda Cuciureanu, Bogdan-Ionel Tamba, Teodora Alexa- Stratulat. Should oncologists trust cannabinoids?Published in Frontiers in Pharmacology, July 2023 DOI 10.3389/fphar.2023.1211506
2. Ioana Creanga-Murariu, Bogdan-Ionel Tamba, Leontina Elena Filipiuc, Maria-Raluca Gogu, Mitica Ciorpac, Carmen Marinela Cumpat and Teodora Alexa-Stratulat. The Potential Neuroprotective Effects of Cannabinoids against Paclitaxel-Induced Peripheral Neuropathy: In Vitro Study on Neurite Outgrowth. Front Pharmacol. 2024 June
3. Froicu, EM., Creangă-Murariu, I., Afrăsânie, VA. et al. Artificial Intelligence and Decision-Making in Oncology: A Review of Ethical, Legal, and Informed Consent Challenges. Curr Oncol Rep 27, 1002–1012 (2025). <https://doi.org/10.1007/s11912-025-01698-8>
4. Creangă-Murariu, I.; Froicu, E.-M.; Scripcariu, D.V.; Bacoanu, G.; Poroach, M.; Moscalu, M.; Tarniceriu, C.C.; Alexa-Stratulat, T.; Poroach, V. Timing Matters: A Systematic Review of Early Versus Delayed Palliative Care in Advanced Cancer. Cancers 2025, 17, 2598. <https://doi.org/10.3390/cancers17152598>
5. Creangă-Murariu, I., Rezuș, II., Karami, R. et al. Indications of Cannabinoids for the Palliation of Cancer-Associated Symptoms: A Systematic Review and Meta-Analysis. Curr Oncol Rep 27, 1080–1096 (2025). <https://doi.org/10.1007/s11912-025-01695-x>
6. Froicu, E.-M.; Onicescu, O.-M.; Creangă-Murariu, I.; Dascălu, C.; Gafton, B.; Afrăsânie, V.-A.; Alexa- Stratulat, T.; Marinca, M.-V.; Pușcașu, D.-M.; Miron, L.; et al. Modeling Pain Dynamics and Opioid Response in Oncology Inpatients: A Retrospective Study with Application to AI-Guided Analgesic Strategies in Colorectal Cancer. Medicina 2025, 61, 1741. <https://doi.org/10.3390/medicina61101741>
7. Creanga-Murariu I, Ciorpac M, Gogu R-M, Pricope C-V, Bild V, Ababei D-C, Filipiuc L-E, Szilagyi A, Josan C-L, Caruntu I-D, Lozneau L, Timofte A, Solcan C, Scripcariu D-V, Hegyi P, Alexa-Stratulat T and Tamba B-I (2025) Multifaced roles of cannabinoid therapy in cancer: balancing analgesia, antitumor potential, and systemic toxicity. Front. Pharmacol. 16:1691893. doi: 10.3389/fphar.2025.1691893
8. Creanga-Murariu I, Pricope CV, Ciorpac M, Anaby D, Cohen K, Uritu CM, Szilagyi A, Gogu RM, Jalloul W, Anita AE, Anita DC, Baisan RA, Alexa-Stratulat T, Tamba BI. MRI-Based Radiomics Reveals Cannabinoid-Associated Tumor Phenotypes in a Murine Breast Cancer Model. Molecules. 2026 Mar 31;31(7):1154. doi: 10.3390/molecules31071154. PMID: 41976195; PMCID: PMC13074902.
9. Creangă-Murariu, I.; Rezuș, I.-I.; Karami, R.; Makolli, A.; Chifu, C.; Rancz, A.; Sipos, Z.; Ferdinandy, P.; Papp, R.; Teutsch, B.; et al. Antitumor Activity of Cannabinoids and Their Interaction with Chemotherapy: A Systematic Review and Meta-Analysis of Preclinical Evidence. *Pharmaceuticals* 2026, 19, 768. <https://doi.org/10.3390/ph19050768>
10. Creangă-Murariu, I.; Armeanu, E.-M.; Poroach, V.; Tamba, B.-I.; Alexa-Stratulat, T.; Gafton, B.; Marinca, M.-V.; Afrasanie, V.-A.; Puscasu, D.M.; Rusu, M.I.; et al. MRI-Based

Brain Signatures of Chemotherapy-Induced Peripheral Neuropathy in Cancer Patients: A Systematic Review and Meta-Analysis. *Diagnostics* 2026, 16, 1619. <https://doi.org/10.3390/diagnostics16111619>

**B. Teza de doctorat-** “Translational Approach of Cannabinoids in Oncology: In Vitro, In Vivo, and Clinical Applicability”

**C. Brevete de invenție și alte titluri de proprietate industrială;**

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**D. Cărți și capitole în cărți**

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**E. Articole/studii în extenso, publicate în reviste din fluxul științific internațional principal;**

1. Schreiner, T.G.; Creangă-Murariu, I.; Tamba, B.I.; Lucanu, N.; Popescu, B.O. In Vitro Modeling of the Blood–Brain Barrier for the Study of Physiological Conditions and Alzheimer’s Disease. *Biomolecules* 2022, 12, 1136. <https://doi.org/10.3390/biom12081136>
2. Pricope, C.V.; Tamba, B.I.; Stanciu, G.D.; Cuciureanu, M.; Neagu, A.N.; Creanga-Murariu, I.; Dobrovat, B.-I.; Uritu, C.M.; Filipiuc, S.I.; Pricope, B.-M.; Alexa-Stratulat, T. The Roles of Imaging Biomarkers in the Management of Chronic Neuropathic Pain. *Int. J. Mol. Sci.* 2022, 23, 13038. <https://doi.org/10.3390/ijms232113038>
3. Tudorancea, I.M.; Ciorpac, M.; Stanciu, G.D.; Caratașu, C.; Săcărescu, A.; Ignat, B.; Burlui, A.; Rezuș, E.; Creangă, I.; Alexa-Stratulat, T.; Tudorancea, I.; Tamba, B.I. The Therapeutic Potential of the Endocannabinoid System in Age-Related Diseases. *Biomedicines* 2022, 10, 2492. <https://doi.org/10.3390/biomedicines10102492>
4. Filipiuc, L.-E.; Ștefănescu, R.; Solcan, C.; Ciorpac, M.; Szilagyí, A.; Cojocaru, D.; Stanciu, G.D.; Creangă, I.; Caratașu, C.-C.; Ababei, D.-C.; Gavrila, R.-E.; Timofte, A.-D.; Filipiuc, S.-I.; Bild, V. Acute Toxicity and Pharmacokinetic Profile of an EU-GMP-Certified Cannabis sativa L. in Rodents. *Pharmaceuticals* 2023, 16, 694. <https://doi.org/10.3390/ph16050694>
5. Németh, J.; Lee, J.; Eperjesi, O.; Gagyí, E.B.; Bánfalvi, Z.; Lillik, V.; Creanga-Murariu, I.; Tóth, R.; Szalai, E.Á.; Obeidat, M.; et al. Cardiovascular Risk in Pancreatic Cancer: A Meta-Analysis of 197 Studies. *Cancers* 2026, 18, 1108. <https://doi.org/10.3390/cancers18071108>
6. Rezuș II, Rancz A, Creangă-Murariu I, Ibude OC, Obeidat M, Papp R, Veres DS, Tamba BI, Teutsch B, Hegyi P. Minimally invasive techniques versus opioids in patients with unresectable pancreatic cancer: a systematic review and meta-analysis of randomised

controlled trials. Transl Gastroenterol Hepatol. 2025 Jul 9;10:45. doi: 10.21037/tgh-24-141. PMID: 40755737; PMCID: PMC12314671.

7. Lee, Jimin MD1; Creanga-Marariu, Ioana MD1,2,3; Németh, Jázmin MD1; Gagy, Endre Botond MD1,4,5; Veres, Dániel Sándor MD, PhD1,6; Szalai, Eszter Ágnes DMD, PhD1,7; Obeidat, Mahmoud MD, PhD1; Papp, Renáta MD, PhD1,8,9; Hegyi, Péter MD, PhD, DSc, MAE1,10,11,12,\*; Bunduc, Stefania MD, PhD13,14,\*. Association of Pancreatic Cancer with Acute Pancreatitis: A Systematic Review and Meta- Analysis. Clinical and Translational Gastroenterology 17(1):p e00927, January 2026.; PMCID: PMC11247095.
8. Filipiuc LE, Creangă-Murariu I, Tamba BI, Ababei DC, Rusu RN, Stanciu GD, Ștefănescu R, Ciorpac M, Szilagyi A, Gogu R, Filipiuc SI, Tudorancea IM, Solcan C, Alexa-Stratulat T, Cumpăt MC, Cojocaru DC, Bild V. JWH-182: a safe and effective synthetic cannabinoid for chemotherapy-induced neuropathic pain in preclinical models. Sci Rep. 2024 Jul 15;14(1):16242. doi: 10.1038/s41598-024-67154-y. PMID: 39004628

## **F. Publicații în extenso, apărute în volumele unor conferințe internaționale de specialitate**

1. Creanga-Murariu I, et al. Cannabinoids against glioblastoma: Consolidating the preclinical evidence through systematic review and meta-analysis. Ann Oncol. 2025;36(Suppl):S145-S146. doi:10.1016/j.annonc.2025.02210.
2. Creanga-Murariu I, et al. Survival benefit of adjuvant fluoropyrimidines following chemoradiotherapy in locally advanced nasopharyngeal carcinoma: systematic review and meta-analysis. Ann Oncol. 2025;36(Suppl):S—. doi:10.1016/S0923-7534(25)03008-X.
3. Rezus I-I, Rancz A, Creangă-Murariu I, Ibude OC, Veres Sandor D, Tamba B-I, et al. Celiac plexus neurolysis versus opioids in patients with unresectable pancreatic cancer-related pain – Preliminary results from a meta-analysis. EPOS. ECR 2025;C-13381. doi:10.26044/ecr2025/C-13381.
4. Creanga-Murariu I, et al. Cannabinoids in pancreatic cancer: a systematic review and meta-analysis of preclinical studies. Ann Oncol. 2024;35(Suppl):S—. doi:10.1016/S0923-7534(24)03637-8.
5. Creangă-Murariu I, et al. Cannabinoid adjuvant therapy in refractory cancer pain: a systematic review and meta-analysis. Reg Anesth Pain Med. 2023;48(Suppl 1):A97.2-A97. doi:10.1136/rapm-2023-ESRA.198.

## **G. Alte lucrări și contribuții științifice**

1. **European Society of Medical Oncology (ESMO) Congress, Barcelona, Spain, 13–17 Sep 2024**
  - Creangă-Murariu I. *Cannabinoids for cancer-associated symptoms: a systematic review and meta-analysis*. Poster presentation.

- 2. International Association for the Study of Pain (IASP) Congress, Amsterdam, Netherlands, 05–08 Aug 2024**
  - Creangă-Murariu I. *Cannabinoids for chemotherapy-induced peripheral neuropathy – preliminary in vivo data*. Poster presentation.
  - Creangă-Murariu I. *Cannabinoids for cancer pain: a systematic review and meta-analysis*. Poster presentation.
- 3. MGT Congress – Annual Congress of Gastroenterology, Gothenburg, Sweden, 29–30 May 2024**
  - Creangă-Murariu I. *Cannabinoids for the palliation of cancer-associated symptoms: a systematic review and meta-analysis*. Poster presentation.
  - Creangă-Murariu I. *Minimal-invasive methods show more benefit compared to opioids for pain management in unresectable pancreatic cancer: systematic review and meta-analysis*. Oral presentation.
- 4. European Society of Gastrointestinal and Abdominal Radiology (ESGAR) Congress, 2024**
  - Creangă-Murariu I. *Minimal-invasive methods show more benefit compared to opioids for pain management in unresectable pancreatic cancer: systematic review and meta-analysis*. Oral presentation.
- 5. CONFER Congress, Iași, Romania, 22–25 Nov 2023**
  - Creangă-Murariu I. *Are cannabinoids efficient for chemotherapy-induced neuropathic pain?* Poster presentation.
- 6. European Pain Federation (EFIC) Congress, Budapest, Hungary, 20–22 Sep 2023**
  - Creangă-Murariu I. *Cannabinoids with potential protective role for paclitaxel-treated neurons: preliminary data*. Poster presentation.
  - Creangă-Murariu I. *Selected cannabinoids for chemotherapy-induced chronic neuropathic pain: preliminary in vitro and in vivo data*. Poster presentation.
- 7. SNOMR National Oncology Congress, Poiana Brașov, Romania, 10–12 Oct 2023**
  - Creangă-Murariu I. *Cannabinoids, new agents for chemotherapy-induced peripheral neuropathy: in vitro preliminary findings*. Oral presentation.
- 8. Forumul Științific al Tinerilor Oncologi (FSTO), Poiana Brașov, Romania, 09–12 Apr 2023**
  - Creangă-Murariu I. *In vitro antitumoral effects of cannabinoids in a metastatic breast cancer cell line*. Oral presentation.
- 9. CNSTM XX, Bucharest, Romania, 09–10 Dec 2016**
  - Creangă-Murariu I. *Ewing sarcoma or pediatric cancer*. Oral presentation.

