

List of publications

1. ISI papers, main author

1. Țăin AE, Bîrcă AC, Nedelcu MS, **Holban** AM, Niculescu A-G, Grumezescu AM, Hudiță A. Cinnamon-Mediated Silver Nanoparticles and Beta-Carotene Nanocarriers in Alginate Dressings for Wound Healing Applications. *Gels*. 2025; 11(9):738.
2. Badaluta VA, Ionascu A, Ditu LM, Curutiu C, **Holban** AM, Oprea E, Kourkoutas Y, Mihai MM, Cucu CI, Hudita A, Marinescu F, Lazar V. Antimicrobial and immunomodulatory activity of natural bioactive compounds - an in vitro investigation with potential applications in managing Hidradenitis Suppurativa. *Front Immunol*. 2025 Aug 12;16:1608269. doi: 10.3389/fimmu.2025.1608269.
3. Mihai M-M, Angheliescu I, **Holban** AM, Gheorghe-Barbu I, Chifiriuc M-C, Dițu L-M, Ilie C-I, Angheliescu D, Bălăceanu-Gurău B. Virulence and Antibiotic Resistance Profiles of *Staphylococcus aureus* Isolated from Epidermal Growth Factor Receptor Inhibitors-Associated Skin Lesions. *International Journal of Molecular Sciences*. 2025; 26(14):6595. <https://doi.org/10.3390/ijms26146595>
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8. Mihai M-M, Bălăceanu-Gurău B, **Holban** AM, Ilie C-I, Sima RM, Gurău C-D, Dițu L-M. Promising Antimicrobial Activities of Essential Oils and Probiotic Strains on Chronic Wound Bacteria. *Biomedicines*. 2025; 13(4):962. <https://doi.org/10.3390/biomedicines13040962>
9. Cucu CI, Giurcăneanu C, Poenaru E, Popa LG, Popa MI, Chifiriuc MC, Lazăr V, **Holban** AM, Gheorghe-Barbu I, Muntean A-A, et al. Phenotypic and Genotypic Bacterial Virulence and Resistance Profiles in Hidradenitis Suppurativa. *International Journal of Molecular Sciences*. 2025; 26(8):3502. <https://doi.org/10.3390/ijms26083502>
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- Alginate Gels Incorporating Silver and Tannylated Calcium Peroxide Nanoparticles. *International Journal of Molecular Sciences*. 2024; 25(10):5196. <https://doi.org/10.3390/ijms25105196>
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11. Patents

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