

List of publications:

[Google Scholar publications list](#)

Peer Reviewed:

1. **Engelberg Yizhaq ***, Refael Gil *, et al., “Digestive fate of milk and egg-derived amyloids: Attenuated digestive proteolysis and impact on the trajectory of the gut microbiota”, *Food Hydrocolloids* (2024, accepted). * Equal contribution.
2. Bachar Peleg, Rayan Bader, Eilon Barnea, **Engelberg Yizhaq.**, et al., “Natural antimicrobial peptides self-assemble as α/β chameleon amyloids”. *Biomacromolecules* (2022)
3. **Engelberg Yizhaq ***, Romano Alon*, Landau Meytal and Lesmes Uri, “Amyloid fibrils for intestinal delivery: Formation, physiochemical characterization, and digestion fate of capsaicin-loaded alpha-lactalbumin fibrils”, *Food Hydrocolloids* (2022). * Equal contribution.
4. Alon Romano, **Engelberg Yizhaq**, Shani-Levi Carmit and Lesmes Uri. “Bovine alpha-lactalbumin particulates for controlled delivery: Impact of dietary fibers on stability, digestibility, and gastro-intestinal release of capsaicin”, *Food Hydrocolloids* (2022).
5. **Engelberg Yizhaq**, Ragonis-Bachar Peleg and Meytal Landau. “Rare by Natural Selection: Tunable Disulfide-bonded Supramolecular Antimicrobials Peptides”, *ACS Biomacromolecules* (2022).
6. **Engelberg Yizhaq**, and Meytal Landau. “Novel Fibril Structure of a Human Derived Antimicrobial Peptide”. Photon Science and Annual Report, Deutsches Elektronen-Synchrotron DESY, Germany (2021).
7. **Engelberg Yizhaq**, and Meytal Landau. “Gorilla to the rescue – using homologs to determine challenging crystal structure of a human derived antimicrobial peptide showing a novel fibril structure”. The European Synchrotron ESRF Highlights (2021).
8. Golan Nimrod, **Engelberg Yizhaq**, and Meytal Landau. “Structural Mimicry in Microbial and Antimicrobial Amyloids”. *Annual Review of Biochemistry* (2021).
9. **Engelberg Yizhaq**, and Meytal Landau. “The Human LL-37(17-29) antimicrobial peptide reveals a functional supramolecular structure”. *Nature Communications* (2020).

Highlights:

1. **Engelberg Yizhaq**, and Meytal Landau. “Novel Fibril Structure of a Human Derived Antimicrobial Peptide”. Photon Science and Annual Report, Deutsches Elektronen-Synchrotron DESY, Germany (2021).
2. **Engelberg Yizhaq**, and Meytal Landau. “Gorilla to the rescue – using homologs to determine challenging crystal structure of a human derived antimicrobial peptide showing a novel fibril structure”. The European Synchrotron ESRF Highlights (2021).