

### Contributi a congressi:

- [1] F. Usai, G. Loi, F. Scocozza, M. Bellato, P. Magni, M. Conti, L. Pasotti. "Characterization of biosensing living materials for field-relevant applications and multi-input multi-output signal processing". Third International Conference on Engineered Living Materials (ELMs) – INM Leibniz Institute for New Materials, 21-23 June 2022, Saarbrücken, Germany. (*Abstract*).
- [2] F. Usai, G. Loi, F. Scocozza, M. Bellato, L. Pasotti and M. Conti. "Bacteria-laden biosensing materials to address molecule detection in environmental and clinical samples". International Conference on Biofabrication 2022, September 25th -28th 2022, Montecatini, Italy. (*Abstract*)
- [3] F. Usai, G. Loi, F. Scocozza, M. Bellato, I. Castagliuolo, M. Conti, L. Pasotti. "Reproducible living biosensors built by printing bacterial materials". SEED conference, 30 Maggio - 2 Giugno 2023, Los Angeles, USA. (*Abstract*)
- [4] F. Usai, G. Loi, F. Scocozza, M. Bellato, P. Magni, M. Conti and L. Pasotti. "A workflow for the construction of reproducible living biosensors built by printing bacterial materials". 8th GNB Congress – 21-23 Giugno 2023, Padua, Italy. (*Articolo per conferenza*)
- [5] F. Usai, G. Loi, H. Wazeer, A. Macovei, M. Conti, L. Pasotti. "Biosensing Living Materials for Environmental Monitoring" - SEED conference, 24-27 June 2024, Atlanta USA. (*Abstract*)

### Articoli su rivista:

- [1] F. Usai, G. Loi, F. Scocozza, M. Bellato, I. Castagliuolo, M. Conti, L. Pasotti. "Design and biofabrication of bacterial living materials with robust and multiplexed biosensing capabilities". Programmable Living Biomaterials - Materials Today Bio, 2023. (**Articolo pubblicato**)
- [2] F. Usai, ...& G. M. Church, and TC. Tang. "Engineered cyanobacteria-based platform for surface display and secretion of market relevant proteins" (**Articolo in preparazione**)
- [3] A. Griffo & F. Usai et al. "Application of machine learning models for non-invasive seed quality detection" (**Articolo in preparazione**)
- [4] F. Usai, D. Dallera, H. Wazeer, A. Macovei, F. Scocozza, M. Conti, L. Pasotti. "Biosensors for agro-industrial applications" (**Articolo in preparazione**)
- [5] F. Usai, G. Loi, M. Conti and L. Pasotti. "A biocontainment system for engineered living materials" (**Articolo in preparazione**)
- [6] D. Dallera, D. Pastorelli, M. Bellato, F. Usai, A. Frusteri, G. Cusella, Brun, P. Magni, L. Pasotti. "Qualitative and quantitative screening of bile acid-transforming microorganisms using engineered bacterial biosensors" (**Articolo in preparazione**)