

AGRIVOLTAICS 2025

together with 15th International
C&E on Green Flexible Printed
Electronics Industry (ICEFPE25)

www.agrivoltaics-conf.com

Organized by:



COPE-Nano

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**Crowne Plaza Hotel
Athens, Greece**



Given global population growth, there's an increasing need to enhance both food and energy generation. However, meeting increased food demand may raise fossil fuel usage and greenhouse gas emissions. REPowerEU, for example, seeks to achieve 45% renewable energy in the EU at 2030 mix and expedite PV energy adoption through an EU solar energy strategy.

Agrivoltaics is an emerging field that combines Agriculture with Solar Photovoltaics, with 3rd Generation PV, such as the flexible Semitransparent Organic Photovoltaics (OPVs), representing the most advanced and innovative solution for implementation and to enhance at the same time both crop production and energy generation. By integrating Agrivoltaics directly into greenhouses and open-field cultivations, we can generate renewable energy without sacrificing arable land. The global Agrivoltaics market is predicted to grow from €5.2 billion in 2025 to more than €14 billion in 2034.

The use of 3rd Gen PVs, and in particular the OPVs, offers a Triple Land Use. It enhances food production, optimizes water usage, and transforms farms into clean energy hubs for autonomous, off-grid/on-grid greenhouses and open-field cultivations. Overall, Agrivoltaics offer a transformative path toward sustainable agriculture, climate adaptation, and a new model of productive landscapes worldwide across Europe and beyond.

The Conference aims to facilitate high-level scientific and technology exchanges and networking opportunities among researchers, industry leaders, and stakeholders in the fields of agriculture, photovoltaics, architecture, environmental management, and energy policy.

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