

PN-III-P4-PCE-2021-1548, project PCE no. 117

Design of novel composite materials based on mesoporous matrices by exploring the nanoconfinement effect (COMCONF)

Funding: The Executive Agency for Financing of Higher Education, Research, Development, and Innovation (UEFISCDI)

Contractor: National University of Science and Technology POLITEHNICA Bucharest

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### **Stage I/2022**

#### **Polyphenols extraction and their encapsulation into mesoporous matrices for enhanced stability**

##### **Activities**

A1.1 – Extraction of polyphenols and extract characterization

A1.2 – Synthesis and characterization of mesoporous silica matrices

A1.3 -Encapsulation of polyphenolic extracts in mesoporous matrices

A1.4 – Characterization of composite materials containing polyphenolic extract