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Ministry of Higher Education and Scientific Research  
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Laboratory for the Optimization of Agricultural Production in Sub-humid Zones (LOPAZS)

**INTERNATIONAL SEMINAR ON VALORIZATION OF AGRONOMIC, ECOLOGICAL  
AND FOOD RESOURCES (ISVAEFR 2022)- 18, 19 & 20 OCTOBER 2022**  
**CERTIFICATE OF PARTICIPATION**

The President of the International Seminar on the Valorization of Agronomic, Ecological and Food Resources, certified that :

**DERBAK LARBI**

Presented a **Poster** communication entitled:

**OPTIMIZATION OF ULTRASOUND ASSISTED OF ANTIOXIDANT PHENOLICS EXTRATION FROM AN ALGERIAN PHYSALIS SPECIES**

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