



People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research  
Amar Telidji University – Laghouat  
Faculty of Sciences  
Mathematics Department



*Laboratory of Pure and Applied Mathematics*

**2<sup>nd</sup> National Conference on Pure and Applied Mathematics**

**NCPAM'2022, December 18 - 19, 2022, Laghouat, Algeria**

## ***CERTIFICATE OF PARTICIPATION***

The organizing committee of the 2<sup>nd</sup> **National Conference on Pure and Applied Mathematics**  
**NCPAM'2022** December 18 - 19, 2022, Laghouat, Algeria, certifies that:

**Maatougui BELAALA**

Presented an ORAL COMMUNICATION entitled:

**New characterization of two spaces of Lipschitz  $p$ -summing operators**



Chairman of the NCPAM'2022

فارس يزيد  
Dr. Fares Yazid

Dr. Fares Yazid