

The Fifth International Symposium on Informatics and its Applications (ISIA 2022)  
Mohamed Boudiaf University of M'Sila, Algeria, November 29th-30th, 2022



# CERTIFICATE OF PARTICIPATION

We herewith certify that

*Imane Seddiki*

Has participated in the symposium with a Poster Presentation

Entitled: *Mining sequential frequent itemsets from uncertain sequences database*

Co-authors: *Abdelbasset Barkat and Farid Nouioua*

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ISIA 2022 General Chair

*Dr. SAYAD Lamri*

University of M'sila  
Faculty of Mathematics and Informatics  
5<sup>th</sup> International Symposium of Informatics  
and its Applications  
( ISIA 2022)

Head of Department

*CHATRA Mohamed*