# Special Session on *Few-shot Learning and Applications*

The Fifth International Conference on Computer Science and Application Engineering (CSAE 2021) is calling for papers for a special session on Few-shot Learning and Applications. Details can be found as follows.

**Session Title:** Few-shot Learning and Applications

**Aim and Scope:** Due to the development of big data and computing resources, the deep learning has achieved great achievements on many fields, such as the industry, commerce, agriculture, education, etc. But the traditional big data driven learning methods highly depend on large amount of labeled data, which is high cost and not possible for many specifical cases. Meanwhile, the Few-shot learning has emerged as an important supplement to deep learning, which aims to obtain the generalized models from relatively small amount of data. This session aims to focus on Few-shot learning and its applications in all related fields.

The submissions focus on but not limited to the novel theories and algorithms of few-shot learning, data mining and quality assessment, practical applications based on few-shot learning, special hardware realizations, etc.

## Acknowledgements

This special session is organized by Dr. Yang Li (Shihezi University, Xinjiang, 832003, China).

## Introduction to organizers

**Dr. Yang Li** is an Associate Editor of the journal Plant Methods (JCR Q1). He got the Master degree in Electrical Engineering from Dalian University of Technology, Dalian, China, in 2016. His current research interests include few-shot learning, data mining and analysis, image processing, artificial intelligence, precision agriculture, and nondestructive testing. In these areas, he has published more than 20 technical articles on the flagship journals, such as Computers and Electronics in Agriculture, Plant Methods, Agriculture-Basel, Transactions of the ASABE, Nondestructive Testing and Evaluation, Journal of Magnetics, Materials Evaluation, etc. He also acts as an active peer reviewer for many influential scientific journals, e.g., Computers and Electronics in Agriculture, Precision Agriculture, Biosystems Engineering, Remote Sensing, etc. In addition, he is now hosting a few-shot learning related special issue on the journal Plant Methods as Lead Guest Editor.