



**3rd International Conference on Artificial  
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# **CERTIFICATE of Participation**

**This certificate is presented to**  
**Md Benozir Hossain, Tim Leonhardt, Ticauris Stokes,**  
**Partha Sengupta, Ahmed Sherif, Mohamed Elserisy,**  
**Rabab Abdelfattah**

**For participating and presenting the paper titled:**  
**Federated Learning-Based Cotton Crop Diseases**



**General Chairs**

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**Dr. Ahmed Abdelgawad**

*Alaa Ali Hameed*

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