



# International Conference 1st | SUMBio - 2022

Challenges in Sustainable Utilization  
and Management of Bioresources

Bringing Tomorrow's Needs Into Today's Solutions

## CERTIFICATE OF APPRECIATION

This is to certify that:

# Dr. Amal M. Elgharbawy

Successfully participated as **ORAL PRESENTER** in the "1st International Conference on Challenges in Sustainable Utilization and Management of Bioresources , IBA-SUMBio22" on 8-10 August 2022, held concurrently in Johor Bahru, Malaysia and Saltillo, Mexico

Dr. Zainul Akmar Zakaria  
(General Chairman IBA-  
SUMBio-22)

Prof. Cristóbal Aguilar  
(Co-Chairman IBA-  
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Prof. Ashok Pandey  
(Chief Executive of  
International Bioprocessing  
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