Carbon Footprints

# CERTIFICATE OF PUBLICATION

This is to certify that the manuscript listed below

## MANUSCRIPT TITLE

Toward low-carbon energy transitions: integrated optimization of solar panel output and safety using tracking and thermal management

## AUTHOR(S)

Shahzaib Hassan, Saqlain Abbas, Muhammad Ahmad, Zulkarnain Abbas, Zahid Hussain, Muhammad Mutwassim

Open Access with Excellence

Editor-in-Chief:

Yong Geng