



# CERTIFICATE

Sasmita Barik

participated in the International Congress of Mathematicians – ICM2018, held at Riocentro Convention Center, Rio de Janeiro, RJ, Brazil, from August 1–9, 2018 and presented the following Short Communication: “On the spectra of bipartite multidigraphs”.

Rio de Janeiro, August 9, 2018

  
Marcelo Viana  
ICM2018 Chair