

# Cici Alexander

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## PERSONAL INFORMATION

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RESEARCHGATE PROFILE: [http://www.researchgate.net/profile/Cici\\_Alexander](http://www.researchgate.net/profile/Cici_Alexander)  
NATIONALITY: Indian

## ACADEMIC APPOINTMENTS

October 2015 – September 2017

**Marie Skłodowska-Curie Intra-European Research Fellow, Bournemouth University, UK**

Working on methods to describe the three-dimensional structure of tropical forests at a landscape-scale, using data from airborne LiDAR and Unmanned Aerial Vehicles (UAVs), to model primate habitat and measure forest carbon stocks in Sumatra, Indonesia

September 2014 – September 2015

**Post-doctoral Researcher, Institut français de recherche pour l'exploitation de la mer (IFREMER, English: French Research Institute for Exploitation of the Sea), Brest, France**

Processing of waveforms from airborne bathymetric laser scanners for the characterisation of coastal seabed habitats

August 2013 – July 2014

**Research Fellow, TU Bergakademie, Freiberg, Germany**

Marie Curie Research Fellow in the ChangeHabitats2 Project: Network for Habitat Monitoring by Airborne-supported Field work – An innovative and effective process in implementation of the Habitats Directive

June 2011 – May 2013

**Post-doctoral Researcher, Aarhus University, Denmark**

Inter-disciplinary post-doctoral researcher jointly at the Ecoinformatics and Biodiversity Group (ECOINF) and the Center for Massive Data Algorithmics (MADALGO)

November 2005 – January 2006

**Research Assistant, Ordnance Survey, Southampton, UK**

A short contract to extend the initial research conducted during my MSc dissertation sponsored by Ordnance Survey. Specific objectives were to determine the extent to which the accuracy of classification and subsequent 3D modelling of buildings were affected by point density of LiDAR.

## EDUCATION

**PhD in GIS and Remote Sensing, January 2010, University of Leicester, UK**

Research Topic: Classification and extraction of three-dimensional attributes of vegetation for topographic mapping from full-waveform airborne laser scanning data

**MSc in Geographical Information Systems, January 2006, University of Leicester, UK**

Dissertation: Integrating Building Footprints and LiDAR Elevation Data to Classify Roof Structures and Visualise Buildings

**Master of Planning (Environmental), January 1998, School of Planning and Architecture, New Delhi, India**

Dissertation: An Environmental Impact Assessment of Islands Development Project, Kochi – a proposal to construct a bridge connecting three islands to the mainland of Kochi, in South India – including proposals to guide development of the islands to minimise adverse impact

**Bachelor of Architecture, April 1995, TKM College of Engineering, Kollam, University of Kerala, India**

Dissertation: Design proposal for a Weavers' Village for a community of indigenous weavers at Kasaragod in northern Kerala

## SCHOLARSHIPS/FELLOWSHIPS

Marie Skłodowska-Curie Individual Fellowship, 2015-2017

Ordnance Survey (UK) Studentship, 2006-09

Open PhD Scholarship, University of Leicester (UK), 2006-09

Graduate Aptitude Test in Engineering (GATE) National Scholarship (India), 1996-97

State Merit Scholarship, Kerala (India), 1987-89

## PROFESSIONAL SERVICE

Peer Reviewer for *International Journal of Remote Sensing*; *Ecological Indicators*; *Remote Sensing of Environment*; *PLoS ONE*; *International Journal of Geographical Information Science*; *Remote Sensing*