



Md. Akhtar-E Ekram

**Work Address:**

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Brief Summary

Currently, I am a PhD student at WAOIGC, School: EPS, Curtin University (enrolled on 15 January 2019) under the supervisions of Associate Prof. Marco Coolen and Prof. Kliti Grice.

My Project is on the reconstruction of past 600 kyrs of terrestrial vegetation changes due to precipitation fluctuation from the centre of IPWP, Lake Towuti (ITDP) as well as, between climate-ecology interactions using ancient sedimentary DNA approaches. Most importantly, paired with the more traditional paleoenvironmental and geochemical datasets, the novel “paleogenomics” approaches will include the identification of non-fossilised taxa and provide an unparalleled window into our understanding of how terrestrial vegetation in this tropical biodiversity hotspot in this ancient lake has responded to long-term fluctuations in IPWP/ENSO-controlled precipitation strength.

Education:

M.Phil. (Microbiology) from the Institute of Biological Sciences, University of Rajshahi, Bangladesh.

M.Sc. and B.Sc. (Honours) from the Dept. of Genetic Engineering and Biotechnology, University of Rajshahi, Bangladesh.

Research interests:

DNA Metabarcoding, Paleogenomics, Microbial Degradation of Pesticide.

Thesis title:

The Lake Towuti Drilling Project: 600 kyrs of biodiversity changes in Southeast Asia recorded through ancient sedimentary DNA genotyping

Supervisors:

Associate Prof. Marco Coolen and Prof. Kliti Grice

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