Abdulraheem Anumah

Anumah is a PhD student at the Centre for Water in Minerals Industry of the Sustainable Minerals Institute (SMI) at the University of Queensland. Anumah holds a Bachelor of Technology (Honours) in Industrial Chemistry from Modibbo Adama University of Technology, Nigeria. With sponsorship from the European Education and Culture Executive Agency (EACEA), Anumah received a joint master's degree in Environmental Contamination and Toxicology from the University of Pau and Adour region, France, the University of Porto, Portugal, and the University of Basque Country Spain. The focus of his PhD project is prediction of the chemical stability of tailings storage facilities given the constraints and limitations of the current industry-adopted kinetic testing methods. He aims to develop key design criteria for kinetic leaching tests to accurately predict the generation of acid and metalliferous drainage, including saline drainage, experimenting with a range of coal tailings from the Bowen Basin in Queensland.

- Your full name: **Abdulraheem Okehi Anumah**
- Nature of support from CRC TiME: **I currently have no support from CRC Times but will apply for a top-up.**
- University affiliation: **University of Queensland**
- PhD Commencement date: **01.04.2023**
- Expected PhD completion date: **30/11/2026**
- Gender (please specify): **Male**
- Whether you identify as Culturally and Linguistically diverse: **I am**
- Whether you are of Aboriginal and/or Torres Strait Islander origin: Not applicable

Alex Hayes

Alex is a PhD student at Flinders University in South Australia. With a passion for Physics and Chemistry, his PhD, in collaboration with CRC TiME and MMG, is focussed on improving the understanding of Acid & Metalliferous Drainage (AMD) from active and legacy mine sites in Tasmania. AMD is a widespread, evolving research problem with a significant environmental impact. It is imperative that we address the errors of our past, to secure the sustainability of our planet.
Looking to make an impact on the Australian mining industry, Alex hopes that his PhD is the first step towards a successful career in a research field that he loves and will lead to an improved understanding of AMD on a local, and global scale.

Full Name - Alex Peter Hayes
Full-Time CRC TiME Scholarship Holder
I attend Flinders University in South Australia
My PhD commenced on the 8th of March 2021.
My expected completion date is in June of 2024.
I'm a Male.
I have no cultural or linguistic diversity and am not of Aboriginal or Torres Strait Island origin.

Bhavya Nalagampalli Papudeshi

Bhavya is a PhD candidate at Flinders University, South Australia, where she works in Flinders Accelerator for Microbiome Exploration (FAME). Her research is in bioinformatics, focused on building workflows to analyze and interpret the role of microbial communities in restoration of mining sites. Microbial populations are a critical, playing vital roles in both human and ecosystem health. At mining sites, microbial activity affects the biogeochemical processes, such as mineral oxidation and reduction, acid generation, and metal leaching. Her work with the CRC TiME will develop a bioinformatic pipeline to rapidly analyze the microbial communities, via metagenomic sequencing. The tool will be used by researchers to identify acid generating potential of the microbes at mining sites and the effects of various restorative processes.

- Your full name - Bhavya Nalagampalli Papudeshi
- Nature of support from CRC TiME (e.g. full scholarship or top-up) - top-up scholarship
- University affiliation - Flinders University
- PhD Commencement date - 24 Jan, 2022
- Expected PhD completion date - 24 Jan, 2025
- Gender (please specify): Female
- Whether you identify as Culturally and Linguistically diverse: Yes
- Whether you are of Aboriginal and/or Torres Strait Islander origin: No