

## Unit 2.1 - Characterisation of Faecal Sludge (quality, quantity, SOPs)



**Konstantina Velkushanova:** Dr Tina Velkushanova has a background in Environmental Management and Engineering. She completed her BSc and MSc in 2003 in Bulgaria where she also worked as a research assistant at the University of Chemical Technology and Metallurgy and then as an expert in the Ministry of Environment and Water. In 2007 she relocated to the UK and completed a PhD degree in the School of Civil Engineering and the Environment, University of Southampton. In April 2012, she was granted a Post-doctoral Research Fellowship until April 2013 in the Pollution Research Group (PRG) at the University of KwaZulu-Natal (South Africa) where she worked on a number of water and sanitation projects, including: Mechanical Properties of Faecal Sludge (funded by Bill & Melinda Gates Foundation) and Characterisation of on-site sanitation material and products: VIP Latrines and Pour Flush Toilets and Co-Digestion of sewage sludge and industrial concentrates (funded by the WRC). In 2013, Tina was appointed as a Research Engineer under the Reinvent the Toilet Challenge, Phase II (funded by the Bill & Melinda Gates Foundation).



**Chris Buckley:** Prof Buckley is a chemical engineer and has spent his career as a contract researcher in the field of urban and industrial water and effluent management at the University of Natal and currently the University of KwaZulu-Natal. He is the head of the Pollution Research Group based at the same University. The primary funding sources are the South African Water Research Commission, eThekweni Municipality, the Bill & Melinda Gates Foundation, Sasol and Umgeni Water. He has partnerships with many international research groups.