

## **Saikat Chowdhury, PhD, Associate Professor**

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### **Education:**

PhD in Environmental Remediation and Public Health, UniSA, Australia  
MS in Soil Science, Sher-e-Bangla Agricultural University, Bangladesh  
BSc in Agriculture, Sher-e-Bangla Agricultural University, Bangladesh

### **Research Interest:**

Soil and groundwater remediation  
Development of disposal technology for better management of contaminants  
Greenhouse gas emission and mitigation  
Soil nutrient management and carbon sequestration

Dr Chowdhury completed his PhD on Environmental Remediation and Public health under the prestigious University President Scholarship (UPS) of UniSA, AU. He also received the competitive CSIRO Top Up Scholarship in association with UPS. During his PhD program (August, 2010 – December, 2013), Dr Chowdhury did work in the area of soil organic carbon and nutrient cycling with an emphasis on quantifying the mechanisms of decomposition and stabilization of soil carbon, and carbon flow within soil-plant systems.

After completing his PhD, Dr Chowdhury has served under the job title ‘Postdoctoral Researcher’ within SAFE Research Centre, Hannam University, Daejeon, South Korea from January, 2015 to December, 2016. Dr. Chowdhury joined the centre to undertake research on ‘Risk assessment and management of carcass burial in relation to soil and groundwater quality’ as part of a project entitled ‘Environmental Management of Burial Sites (GAIA Project)’ funded by Ministry of Environment, South Korea. During his postdoctoral program, Dr Chowdhury played a considerable role to develop a low-cost, eco-friendly, efficient technology to minimize the soil and groundwater pollution by leachate produced from different landfills or mass carcass burials.

Currently Dr Chowdhury is serving as a Chairman of Soil Science Department, Sher-e-Bangla Agricultural University where he is involved in several tasks including the principal member of departmental academic and advisory committee and an executive member of performance evaluation committee of MS and PhD program of the University.