

Kiran Tota-Maharaj

Reader in Civil and Environmental Engineering at Aston University

Birmingham, , GB

Dr Tota-Maharaj's areas of expertise include wastewater treatment using microbial fuel cells with bioelectricity production.

Biography

Dr Tota-Maharaj is a Reader in Civil and Environmental Engineering (Water & Environmental Engineering) at Aston University Birmingham. He is a Chartered Engineer (CEng) and a Member of the Institute of Mechanical Engineers (IMechE), a Fellow of the Institution of Civil Engineers (FICE), a Fellow of the Institute of Water (FloW), a member of the American Society of Civil Engineers (M.ASCE), a member of the International Association of Hydro-Environment Engineering and Research (IAHR) and a Fellow of the Higher Education Academy, UK (FHEA). Dr Tota-Maharaj is a Visiting Professor of Environmental Engineering at the Institute of Advanced Research (IAR) Gandhinagar, Gujarat, India and a Senior Research Fellow in Environmental Engineering and Bioengineering within the Bio & Circular Economy Research Group, Faculty of Engineering and Natural Sciences, Tampere University, Finland. Having gained a Bachelors in Mechanical Engineering (accredited by the IMechE for CEng with Further Learning) from the University of the West Indies and an MSc in Environmental Engineering (accredited by the JBM as a technical masters & CIWEM) from Newcastle University, UK, Kiran moved into industry working for some of the largest Caribbean engineering consultancies. This allowed him to gain significant insight and experience across various aspects of Mechanical Engineering, Civil Engineering, Environmental Engineering (including, Water & Wastewater Engineering) from the tendering stages, inception, project designs, construction phases to post-completion of water and wastewater infrastructural projects. Thereafter, Kiran was awarded an industrial funded PhD programme at the University of Edinburgh, and subsequently entered the realm of academia. Prior to joining Aston University, Kiran was the Head of Civil and Environmental Engineering at the University of the West of England, Bristol (UWE Bristol), a Senior Lecturer in Water and Environmental Engineering at the University of Greenwich, a Lecturer in Environmental Engineering at Abertay University Dundee and a Lecturer in Civil and Environmental Engineering at the University of Salford Manchester.

Areas of Expertise

Wastewater Engineering, Civil Engineering, Mechanical Engineering, Environmental Engineering

Affiliations

Chartered Engineer (CEng), MIMechE, FICE, M.ASCE, FloW, MIAHR, FHEA

Education

University of Salford
PG Cert

University of Edinburgh
PhD

Newcastle University
MSc

University of the West Indies
BSc

Accomplishments

International Water Engineering conference- WATEF 2022,
Organised and chaired an International Water Engineering conference- WATEF 2022, the 7th Water Efficiency Conference held at the University of the West Indies
<https://www.watefnetwork.co.uk/watefcon2022>

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