

—CURRICULUM VITAE

Dr Ackmez Mudhoo

BEng (Hons.) (Chem. Environ. Eng.) | MPhil (Chem. Eng.) | PhD (Environ. Eng.)
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I am a Senior Lecturer in the Department of Chemical & Environmental Engineering (CEED) at the University of Mauritius. I have served a full term of Headship of the CEED from March 2024 to February 2026. I am a TWAS Young Affiliate Alumnus (TWAS Young Affiliate Fellowship 2013-2017). My research interests (RIs) span aqueous-phase adsorption data analysis and modeling, ultrasound- and microwave-assisted processing, and chemical process analysis. Within my RIs, I actively engage in multidisciplinary collaborations through 'think tank' discussions with local and international peers to produce research articles and critical reviews/perspectives. I enthusiastically engage in teaching, counselling & supervising students to impart the knowhow and skills that enable them to develop competencies and attributes sought in chemical engineering graduates, and thereafter, to grow as engineering professionals. I have supervised more than eighty BEng (Hons) dissertations on core chemical engineering and environmental science topics, eight master's theses, and I am currently co-supervising two MPhil/PhD research studies in environmental engineering. I am also regularly involved in administrative and BEng (Hons) Chemical Engineering programme accreditation ongoing matters. The specific details now follow.

KEY POSITIONS & OCCUPATIONS—

July 14, 2022 - Now—Senior Lecturer, CEED, Faculty of Engineering, UoM, Réduit 80837, Mauritius

Feb 25, 2024 - Feb 24, 2026—Head of Department, CEED, Faculty of Engineering, University of Mauritius (UoM)

Nov 19-24, 2024; June 7-15, 2025 & Oct 13-Nov 27, 2025—Acting Dean, Faculty of Engineering, UoM

July 26, 2022 - Sept 10, 2022—Acting Head of Department, CEED, Faculty of Engineering, UoM

Jan 7, 2010 - Jul 13, 2022—Lecturer, CEED, Faculty of Engineering, UoM

Aug 2013 - Jul 2017—TWAS Young Affiliate Fellow 2013. Selected by the African Academy of Sciences (AAS) in its capacity as The World Academy of Sciences (TWAS) Regional Office for Sub-Saharan Africa (TWAS-ROSSA)*

Jun 2012 - Aug 2020—Associate Editor - Environmental Chemistry Letters (2025 Impact Factor: 25.2)

May 2005 - May 2007—Research Scholar, M.Phil. Degree by Research (CEED, UoM)

EDUCATION & ACADEMIC PROFILE—

31 Oct 2018—Doctor of Philosophy (PhD) in Environmental Engineering (University of Mauritius)

(Mathematical modeling of carbon dioxide release and temperature distribution in an aerobic bioreactor landfill milieu)

4 May 2011—Master of Philosophy (MPhil) in Chemical Engineering (University of Mauritius)

(Mathematical and experimental analyses of heat transfer in self-heating composting system)

24 Jun 2004—BEng (Hons.) in Chemical and Environmental Engineering - First Class (University of Mauritius)

(Analysis and correlation of physical properties of an in-vessel composting matrix) | CPA: 77.84%, GPA: 3.79/4.00

2000 Royal College Port-Louis, Mauritius: G.C.E. Advanced Level (1998–1999) Pass (2A+B)

Higher School Certificate (University of Cambridge Local Examination Syndicate, UCLES – UK)

1998 Royal College Port-Louis, Mauritius: G.C.E. Ordinary Level (1993–1997) Pass

School Certificate incorporating a General Certificate of Education: Grade Aggregate 6 (UCLES – UK)

SCHOLARSHIP & TENURE—

2013 TWAS Young Affiliate Fellow 2013. Selected for The World Academy of Sciences (TWAS) by the African Academy of Sciences (AAS) in its capacity as the TWAS Regional Office for Sub-Saharan Africa (TWAS-ROSSA). Tenure: 2013-2017

2005 Two (2) Year Full-Time **MPhil/PhD Scholarship** (Tertiary Education Commission (TEC) MPhil/PhD Scholarship Scheme)

RESEARCH INTERESTS + IMPACT—

➤ **Research Interests:** Aqueous-phase Adsorption, Mathematical modeling & Process Analysis, Waste Management, Bioremediation & Bioenergy, Sonication- & Microwave-based processing

➤ **Citation Impact:** h -Index[†] = 32 by Google Scholar[‡] & 33 by Scopus[§]

➤ **International Rankings**

• **Ranked in the updated lists of Stanford University Names for World's Top 2% Scientists 2021, 2022, 2023 & 2024**

(<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3>, <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4>, <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6> & <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7>)

• **Top Scholar by ScholarGPS (ScholarGPS® ID: 86282828585244; Lifetime Ranks in Environmental Chemistry: #88th in 2024 & #73rd in 2025.** See details at <https://scholargps.com/scholars/86282828585244/ackmez-mudhoo>; <https://scholargps.com/top-experts>)

* <https://twas.org/directory/mudhoo-ackmez>

† **h -index (Hirsch index)** is a scientometric metric that assesses both citation impact and productivity of a scholar's publications, balancing quality and quantity. An **h -index** of **H** means that a scholar has **H** of her/his publications each cited at least **H** times.

‡ Full Google Scholar publication citations records hosted at <https://scholar.google.com/citations?user=EMPIs8QAAAAJ&hl=en>

§ <https://www.scopus.com/authid/detail.uri?authorId=35799760300> & *Scopus's Classification of Impact of Publications by Sustainable Development Goals (SGDs)* is available at <https://www.scopus.com/authid/detail.uri?authorId=35799760300#tab=impact>