Department of Chemistry
Faculty of Science / University of Peradeniya



Dr. Sampath B. Alahakoon

B.Sc. (Perad.), Ph.D. (UT Dallas, USA)

Senior Lecturer

malavi@pdn.ac.lk

+94 81 239 (4441)

https://www.linkedin.com/in/sampath-alahakoon/

About Me

I am currently a Senior Lecturer in Chemistry at the Department of Chemistry, University of Peradeniya. With a strong foundation in both teaching and research, I have dedicated my academic career to advancing the field of chemistry while guiding and inspiring the next generation of scientists. I earned my Ph.D. in Chemistry from the University of Texas at Dallas, USA in 2018, where I focused on developing functional porous polymers such as covalent organic frameworks (COFs) and metal-organic frameworks (MOFs) targeting applications. Following this, I completed my postdoctoral training at UT Dallas and Rice University in Houston, USA, where I expanded my expertise in developing functional 2D polymers for high-strength applications, e.g., bulletproof materials. I have had the privilege of publishing my work in several prestigious peer-reviewed journals, e.g., *Journal of the American Chemical Society*. My research interests now include developing biopolymer-based functional materials for water purification and converting waste into useful materials. In the classroom, I am committed to fostering an engaging and inclusive environment that promotes deep understanding and critical thinking in chemistry. My teaching philosophy emphasizes the importance of hands-on learning and the practical application of theoretical knowledge, which I believe are crucial for students' academic and professional development. Outside of academia, I enjoy staying with family, playing musical instruments, and cooking, which provides balance and a broader perspective on life.

Higher Education Qualifications

PhD

The University of Texas, Dallas
USA
(2018)

BSc

University of Peradeniya
Sri Lanka
(2013)

 © 2022, Faculty of Science, UoP

Awards, Scholarships, Memberships & Fellowships



Nothing to show under this subheading !!!

© 2022, Faculty of Science, UoP

Positions Held

- Graduate Teaching/Research Assistant: The University of Texas at Dallas, USA- (2013 August - 2018 August)
- Postdoctoral Research Associate: The University of Texas at Dallas, USA- (2018 August - 2019 November)
- Postdoctoral Research Associate: Rice University, Houston, USA- (2019 December - 2021 February)
- Senior Lecturer in Chemistry: General Sir John Kotelawala Defence University- (2021 March - 2023 July)
- Faculty Coordinator, Basic and Applied Sciences Session: KDU-IRC 2022- (2022)
- Visiting Lecturer in Chemistry: Department of Chemistry, University of Peradeniya- (2023 March - 2023 July)
- Senior Lecturer in Chemistry: Department of Chemistry, University of Peradeniya- (2013 July - to date)
- Secretary, RESCON 2024: Postgraduate Institute of Science, University of Peradeniya- (2024)
- Co-coordinator, M.Sc. in Nanoscience and Nanotechnology : Postgraduate Institute of Science, University of Peradeniya- (2023 July - to date)
- Temporary Demonstrator: Department of Chemistry, University of Peradeniya- (2013 February - 2013 July)

© 2022, Faculty of Science, UoP

My Teachings

- AS434: Industrial Organic Chemistry
- CH417: Advanced Inorganic Chemistry
- CH426: Natural Products Chemistry
- CHE1091: Elementary Chemistry Laboratory II
- CHE2112: Inorganic Chemistry I
- CHE2122: Inorganic Chemistry II
- CHE2181: Inorganic Chemistry Laboratory I
- CHE3192: Advanced Inorganic Chemistry Laboratory
- CHE3512: Biological Chemistry I

Research Interests (Research Fields/ Projects)



Nothing to show under this subheading !!!

Ongoing Research and Projects



Nothing to show under this subheading !!!

© 2022, Faculty of Science, UoP

Key Publications

Nothing to show under this subheading !!!

Conferences

Nothing to show under this subheading !!!

My Publications

Please goto the website.

https://sci.pdn.ac.lk/chemistry/staff/Sampath-Alahakoon

 © 2022, Faculty of Science, UoP