

Dr. Bader A. Alayyoub

Name and contact information

Name: Bader A. Alayyoub
Rank: Assistant Professor
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Education

Degree	Field	Institution	Country	Year
PhD.	Chemical Engineering	University of Pennsylvania	USA	2024
M.S.	Chemical Engineering	University of Pennsylvania	USA	2019
B.S.	Chemical Engineering	Purdue University	USA	2015

Academic Experience

Institution	Designation	Country	Year/period
Kuwait University	Assistant Professor	Kuwait	2024-present
Kuwait University	Scholarship Teaching Assistant	Kuwait	2017-2024
Kuwait Institute for Scientific Research (KISR)	Research Assistant	Kuwait	2016-2017

Non-academic experience

Office/Organization	Designation	Year
Kuwait National Petroleum Company	Operational Planning Engineer	Jan. 2017 – May 2017

Membership in professional organization

Society Name	Type of Membership	Year
AIChE	Member	2018-present
University of Pennsylvania Chemical Engineering Graduate Association Member	Masters Student Representative	2018-2019

Honors and awards (Most Recent/Distinguished)

Honor/Award	Date
University of Pennsylvania Outstanding Research Award: Honorable Mention	2019

Journal Publications (*Most recent*)

- Alayyoub, B.; Cao, T.; Kwon, O.; Vohs, J.; Gorte, R.; Vojvodic, A. Ni Ingress and Egress in SrTiO₃ Single Crystals of Different Facets. *The Journal of Physical Chemistry C* 2023, 127, 6, 2875-2884, <https://pubs.acs.org/doi/full/10.1021/acs.jpcc.2c05884> . Copyright 2023 American Chemical Society.

Conference Publications and Presentations (*Most recent*)

- B. Alayyoub, T. Cao, J. Vohs, R. Gorte, A. Vojvodic. SUNCAT Summer Institute, Stanford University, CA, August 2023 (*Poster presentation*).
- B. Alayyoub, T. Cao, J. Vohs, R. Gorte, A. Vojvodic. American Institute of Chemical Engineers, Phoenix, PA, November 18, 2022 (*Oral presentation*)

- T. Cao, B. Alayyoub, O. Kwon, A. Vojvodic, J. Vohs, R. Gorte. Molecular Dynamics and Theoretical Chemistry Program Review, Virtual conference, May 25, 2022 (*Poster presentation*).
- B. Alayyoub, A. Vojvodic. American Institute of Chemical Engineers, Boston, MA, November 11, 2021 (*Oral presentation*).
- B. Alayyoub, A. Raman, A. Vojvodic. American Institute of Chemical Engineers, Virtual conference, November 18, 2020 (Pre-Recorded presentation).

Recent professional development activities

Role in Service	Service Type	Surface Title / Description	Year
Committee Member	Student Affairs Committee	Focused on guiding students through curriculum choices and monitoring their academic activities.	2024
Committee Member	Student Societies Committee	Supervising faculty member for AIChE society Kuwait Chapter.	2024