

Name: Yazeed Muqbel A Aleissa

Assistant Professor, Department of Chemical and Materials Engineering, King Abdulaziz University

Education

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Chemical Engineering	The Ohio State University	2022
MS	Chemical Engineering	Illinois Institute of Technology	2016
BS	Chemical Engineering	King Abdulaziz University	2012

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>		<i>Full or Part Time</i>

Non Academic Industrial Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description</i>	<i>Full or Part Time</i>

Certifications and Professional Registrations

Current Membership in Professional Societies and Organizations

<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1.		
2.		
3.		
4.		

Honors and Awards

Services activities (within and outside of the institution)

1.	
2.	
3.	
4.	
5.	

Principal Publications/Presentations from the Past five Years

1.	Aleissa, Y. M., Xue, Y. and Bakshi, B. R. "Ecosystem Goods and Services". Engineering and Ecosystems: Seeking Synergies for a Nature-Positive World. Ed. by B. R. Bakshi. Springer, 2023
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2.	Aleissa, Y. M., and Bakshi, B. R. (2023). Simulation tools for net-positive process design: Trees as unit operation for carbon sequestration and air quality regulation. Computers & Chemical Engineering, 179 , 108455.
3.	Xue, Y., Aleissa, Y. M., & Bakshi, B. R. (2023). An Ecologically Safe and Socially Just Supply Chain Design for Li-battery. Computer Aided Chemical Engineering, Vol. 52 , 3435-3440.
4.	Aleissa, Y. M., & Bakshi, B. R. (2023). Possible but rare: Safe and just satisfaction of national human needs in terms of ecosystem services. One Earth, 6(4), 409-418.
5.	Aleissa, Y. M., and Bakshi, B. R. (2021). Constructed Wetlands as Unit Operations in Chemical Process Design: Benefits and Simulation. Computers & Chemical Engineering, 153 , 107454.

Recent Professional Development Activities (<i>Workshops, training, etc.</i>)