Rakan Alrashdan

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Permanent Address

1836 4th ST SE

Canton, Ohio, 44707

(330) 353-2195

**EDUCATION: The University of Akron, Akron, Ohio 8/2023-Present**

Doctorate of Philosophy in Polymer Engineering

Expected Graduation: 2027

**The University of Akron, Akron, Ohio 8/2019-05/2023**

Bachelor of Science in Chemical Engineering- Polymer Specialization.

Expected Graduation: 2023

Grade Point Average: 3.05/4.0

**Aveta Business Institute, Cranberry Township, Pennsylvania 09/20**

Six Sigma Green Belt- Certificate

Six Sigma White Belt- Certificate

**International Business Management Institute, Berlin, Germany 05/20**

Project Management and Leadership- Certificate

**Cuyahoga Community College, Cleveland, Ohio** **08/2016-05/2019**

Associates of Science- Chemistry, Associates of Arts- Psychology

Grade Point Average: 3.25/4

**Abdul Hamid Sharaf School-British Curriculum, Jordan May 2016**

Class Valedictorian 3.82/4.0

International General Certificate for Secondary Education

UK Outstanding Learner

**WORK EXPERIENCE:**

08/23- Present Graduate Teaching Assistant, The University of Akron, Akron, OH.

02/23-05/23 Undergraduate Research Assistant, Khabaz Lab, The University of Akron, Akron, OH.

02/22- Present Owner and operator, R&M Snacks LLC, Canton, OH.

10/19- 01/21 Extrusion Operator and Quality Technician Engineer, Keene Village Plastics, Barberton, OH.

9/16-02/20 Manager, Maggiore’s Drive Thru, Canton, OH.

**RESEARCH   
INTERESTS:** Rheology of suspensions and polymers, flow of yield stress fluids.

**CONFERENCE  
POSTERS:**

**“**Phase behavior of bidisperse jammed suspensions in shear flow” Rakan Alrashdan, Harry Kojo Yankah, Michel Cloitre, and Fardin Khabaz.Polymer Initiative of Northeast Ohio Conference (PiNO) , Case Western Reserve University, Cleveland, Ohio, February 26th , 2024.

**“**Unfolding the rheology and microstructure of bidisperse soft jammed suspensions under shear flow” Rakan Alrashdan and Fardin Khabaz. American Physical Society– Eastern Great Lakes Section, Cleveland State University, Cleveland, Ohio. October 20th, 2023.

**“**Flow-induced dynamical heterogeneities in soft particle glasses” Rakan Alrashdan, Hrishikesh Pable, Michel Cloitre and Fardin Khabaz. Molecular, Macromolecular Chemistry, and Materials, ESPCI Paris, CNRS, PSL Research University, 75005 Paris, France. May, 2023.

“Micro-dynamics of soft particle glasses in shear flow” Hrishikesh Pable, Rakan Alrashdan, and Fardin Khabaz. Graduate Research Day, the University of Akron, Akon, OH. March, 2023.

**AWARDS:**

Polymer Initiative of Northeast Ohio (PiNO): Owens Corning Composite Material Research Award, Case Western Reserve University, Cleveland, Ohio, February 26th , 2024.

American Physical Society– Eastern Great Lakes Section: Best poster award winner, Cleveland State University, Cleveland, Ohio. October 20th, 2023.

**PAPER IN**

**PREPARATION:**

**“**Bidisperse jammed suspensions in shear flow: Part I: Phase behavior. ” Rakan Alrashdan and Fardin Khabaz, 2023.

# ACTIVITIES: President of The Middle Eastern Club (MEC)

Student Member of American Institute of Chemical Engineers. (AIChE)

Abdul Hamid Sharaf School Student Government President

British Council Your World Global Winner (2016)

Abdul Hamid Sharaf School Soccer Team

Abdul Hamid Sharaf School Table Tennis Champion.

Other Interests Include: Researching various aspects of chemical and polymer engineering.

# ADDITIONAL

**INFORMATION: Programming skills**: C++, Python, MATLAB,

**Software packages**: LAMMPS, Polymath 6.0, ChemCAD 8.0, Loop-Pro trainer for process simulation, ALOHA, MARPLOT and Ovito.

Language: Fluent in English and Arabic, both reading and writing.