



Salman Khan

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ABOUT ME

I am Salman Khan, dedicated to advancing sustainable materials and eco-friendly innovations to address global challenges. With expertise in renewable energy, degradable plastics, food safety, and quality control, I strive to create impactful solutions for environmental and food industry challenges. My experiences, including an internship at PepsiCo and participation in the Climate Change Fellowship, reinforce my commitment to driving sustainable practices and ensuring a healthier, greener future through research and innovation.

EDUCATION AND TRAINING

25/09/2017 – 29/10/2021 Chakdara, Pakistan

BACHELOR OF SCIENCE IN CHEMISTRY (BS) University of Malakand

Website <https://www.uom.edu.pk/>

WORK EXPERIENCE

25/01/2021 – 29/10/2021 Chakdara, Pakistan

JUNIOR RESEARCHER UNIVERSITY OF MALAKAND

As a Junior Researcher at the University of Malakand, I conducted advanced research in environmental chemistry, focusing on the adsorption of Acid Brown 340 dye using silica-based adsorbents. This work contributed to the development of sustainable wastewater treatment technologies and innovative solutions for environmental remediation.

Website <https://www.uom.edu.pk/departments/chemistry>

PUBLICATIONS

2024

[Adsorption of Acid Brown-340 Using Silica Monolith Adsorbent](#)

"My Publication on Adsorption of Acid Brown-340 Using Silica Monolith Adsorbent" explores a **sustainable method** for **efficient dye removal** in **wastewater treatment** using **silica-based adsorbents**.

Salman Khan-2024 Journal of Chemistry Research and Practice

2024

[Congo Red Removal from Polluted Water using NaOH Treated Fallen Leaves of Ficus racemosa](#)

I reviewed the paper "Congo Red Removal from Polluted Water using NaOH Treated Fallen Leaves of Ficus racemosa," focusing on a **sustainable approach** for **dye removal** using **plant-based adsorbents**.

PROJECTS

31/07/2023 – 31/08/2023

Quality Control of Foods Their Safety & Sustainable Environment in Beverages Industry During PepsiCo Roshan Kal Internship

During my Roshan Kal Internship, I led a project on creating a sustainable beverage industry by reducing plastic waste, implementing water-saving technologies, transitioning to renewable energy, and ensuring quality control and food safety standards.

Link <https://roshankal.rozee.pk/>

● FELLOWSHIP

01/12/2024 – 11/01/2025

Climate Governance and Journalism Fellowship Program

Completed the Climate Change Fellowship in Journalism Advocacy, organized by Green Campus and sponsored by the University of Peshawar. This program enhanced my skills in advocacy, communication, and environmental journalism, focusing on climate challenges and sustainable solutions.

Through workshops and collaborative research, I gained expertise in effectively communicating scientific and policy perspectives, empowering me to contribute to global efforts for environmental conservation and sustainability."

● ONLINE COURSES

20/11/2024 – CURRENT

Introduction to Sustainability

I am currently enrolled in the course "Introduction to Sustainability," which focuses on key concepts and practices for promoting environmental, social, and economic sustainability.

<https://www.coursera.org/learn/sustainability/lecture/ir7Kc/introduction-to-sustainability-course-welcome>

20/11/2024 – CURRENT

Introduction to Molecular Spectroscopy

I am currently enrolled in the course "Introduction to Molecular Spectroscopy," which covers the principles and techniques of molecular spectroscopy for analyzing chemical structures.

<https://www.coursera.org/learn/spectroscopy/home/week/1>

● NETWORKS AND MEMBERSHIPS

30/12/2021 – CURRENT England

Associate Member & Official reviewer with Royal Society Chemistry & Journals

01/01/2024 – CURRENT United States

Member & Official Reviewer with American Chemical Society & Journals

01/12/2024 – CURRENT United States

Member & Official Reviewer with The Electrochemistry Society & Journals

● HONOURS AND AWARDS

29/10/2017

Higher Education Commission Pakistan Merit Based Scholarship Holder – University of Malakand

30/07/2023

Awarded as a Pakistan Prestigious Roshan Kal PepsiCo internship – Pepsico Pakistan

● CONFERENCES AND SEMINARS

28/09/2022 – 29/09/2022 Remote

Third Commonwealth Chemistry Poster Conference Organized by Royal Society of Chemistry

05/01/2023 – 06/01/2023

Seminar on Molecular Spectroscopy Organized By Royal Society of Chemistry

27/10/2024 – 27/10/2024 Remote

Webinars on Effective Writing and Publication & Technique Organized By IM Group of Research Organization

● DIGITAL SKILLS

Microsoft Office | Chemistry softwares

● VOLUNTEERING

26/02/2023 – CURRENT Pakistan

Youth MPA With Pakistan Youth Parliament

29/10/2021 – CURRENT Pakistan

Blood Activist with Blood Chain Pakistan

07/09/2022 – CURRENT Pakistan

Educational Mentor with Amal Academy
