

Dear Hiring Manager,

I am writing to express my interest to join your esteemed organization. My professional experience, as detailed in the attached CV, encompasses notable activities in Research, Modeling, and Techno-Economic Analysis fields. I am eager to apply my multidisciplinary background to develop innovative solutions that address complex challenges and contribute to your organization's objective and long term goals.

Sincerely,  
Mohsen Dirbaz, Ph.D.  
Postdoctoral Fellow

Mohsen Dirbaz, Ph.D.

Dissertation: A Neural Network Based Model for Biomass Gasification in Fluidized Bed

#### Evidence of Esteem, External Visibility, Professional Activities

Throughout my academic and professional journey, I have actively engaged in various roles and organizations that have allowed me to demonstrate my abilities, contribute to my field, and develop as a professional. Here is a summary of my experiences, which serve as evidence of esteem, external visibility, and professional activities:

- **President of Graduate Student Association at ChBE Department, IIT (2016-2017):** I served as the President of the Graduate Student Association at IIT's ChBE department, representing graduate students and fostering a collaborative environment to enhance their academic experience.
- **American Institute of Chemical Engineers (AIChE) (2014-2018):** As an active AIChE member, I participated in conferences and workshops, staying current on advancements in chemical engineering while contributing to discussions on industry challenges.
- **Society of Petroleum Engineers (SPE) (2010-2012):** My participation in SPE included attending conferences and technical sessions, which broadened my understanding of the petroleum industry and demonstrated my commitment to professional growth.
- **Representative of Petroleum Engineering Students, SUT (2005-2010):** I served as representative for petroleum engineering students at my institution, engaging with faculty and administrators to improve the academic experience.
- **Executive Student Committee Member, 2nd and 3rd HSE Conference (2009-2010):** As a committee member, I contributed to organizing these Health, Safety, and Environment conferences, demonstrating project management and teamwork skills.
- **Liaison of ChBE Ethics Committee (NSF Funded Project) (2017-2018):** As liaison for the ChBE Ethics Committee, I worked on promoting ethical conduct in chemical engineering, showcasing leadership and a commitment to integrity.