

دلایل علاقه به رشته
دانشگاهی (شیمی) و
خلاصه ای از سابقه
تحصیلی و تحقیقاتی

Chemistry back to my study life in high school, my interest in chemistry originated from my chemistry teacher, Mr... Impressed by my passion in chemistry, he encouraged me to study chemistry in university. Thus, I was accepted in Bachelor of Applied Chemistry at the University of Mazandaran; one of the best in Chemistry discipline. My excellent academic performance in undergraduate program resulted in gaining excellent score in university entrance exam in Master's degree and entering the first ranked university in Iran; University of Tehran. Strong aspiration for researching earned me an opportunity to join the Professor..... research group, who is the director of the Faculty of Polymer Science. There, I studied different topics related to chemistry of polymers, and I did my research on modification of Polymeric Membranes.

خلاصه ای از سوابق
شغلی

As part of my thesis, I synthesized a hydrophilic copolymer and blended it with Nylon-6 membrane in order to increase its surface hydrophilicity and antifouling performance. However, the research task itself was not successful initially. It took a long time to find the correct environment conditions for making a smooth Nylon-6 membrane after a couple of months struggling. Then, due to my proficiency in this field I conducted another research helping another student working on catalytic Nylon-6 membrane. My hard working eventually paid off when my research result was published in the Journal of Polymer Research. During my Master' program I also contributed in two industrial projects on making gas barrier adhere and polyamide. After graduation from university of Tehran, due to my passion to the research. I was employed as a research engineer by my supervising professor in the lab to help to the graduate and undergraduate students in their research. During this period, and I was involved in another research on preparing sulfonic acid functionalized GO nanosheet as proton-conducting solid electrolytes with great conductivity, with a PhD student in 2016. I also participated in GC, HPLC and TEM training courses.

At that time, I was confident to continue my study to do a PhD, but I felt that working out of the lab in industry as an interval between my MS and PhD would improve my other skills such as social skills, problem-solving skills, team-work skills and also would psychologically prepare me. I found a job in a large pharmaceutical company called..... as a regulatory consultant (in R&D sector). My main duty has been preparing both theoretical and technical scientific documents for receiving product license from FDA. My time at has been truly rewarding, and I learned massively from working with qualified people there. but now it is the time to return to my academic life, where my heart is.

هدف از تحصیل در
کانادا و دانشگاه مورد
نظر

I am determined to pursue my study in a developed country. Due to sanctions, the research facilities in my country have been deteriorating and our access to the scientific articles and books has been limited. Therefore, the research carried out here is not up-to-date. Therefore, I choose Canada, a modern and multinational country, and University of as one of the best universities in Canada with intonationally well-recognized professors and modern facilities. Indeed, studying in this university would give me the chance to work on up-to-date research areas and utilize the research facilities for flourishing and working on the best and novel ideas.

هدف از تحصیل در
رشته مورد نظر (دکترای
شیمی) در دانشگاه
کانادا

Studying PhD in Chemistry will pave my path to my ultimate goal, i.e., to work on research to make the society a better place to live through practical and sustainable solutions to the problems we face every day. At Faculty of Chemistry, I contacted professor..... because of his research area which I am really interested in. Actually, a mix of his research area "machine learning" and mine "Polymer Chemistry" would be a great work to do. By utilizing machine learning in chemistry and polymer science, great discoveries will be happened and I have a number of novel ideas to work in my PhD research.

خلاصه و جمع بندی

I am so interested in joining your university and faculty of chemistry as I believe that my academic and work experiences cope very well with your research areas and make me an ideal candidate for your PhD program in chemistry. In my long PhD journey, I will carry with ine my indigenous culture of Iran to Canada and in return will take all the worthwhile experience and knowledge to my country and use them for improving it.

My sincere hope is that you consider my application for PhD program in Chemistry.

Thank you for your time and consideration.

