



THE OHIO STATE UNIVERSITY

Women in STEM Roadshow



Benefits of Studying in USA

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Introduction

- B.Sc. (Hons.) Chemistry- 2010, Aligarh Muslim University (Distinction)
- M.Sc. Biotechnology- 2012, Aligarh Muslim University (Distinction)
- Ph.D Biotechnology Aligarh Muslim University, India in association with The Ohio State University, USA, 2017. **GYTI** (Gandhian Young Technological Innovation Award)- **2016** for Ph.D work (INR 15,00000 for one year)
- Till date I have published more than 40 research publications with overall 778 citations
- Alumnus of the Indo-US STEM program 2016

Research work carried out OSU

- While working at OSU under the supervision of Prof. Christopher Jaroniec, I studied effect of Cu (II) binding on the aggregation behavior of Human prion protein (HuPrP 23- 144)
- HuPrP23-144 aggregation is associated with a heritable amyloid angiopathy
- Cu (II) inhibits the aggregation of HuPrP 23- 144 and further it changes the morphology of aggregates significantly
- Still work is in progress, we are trying out figure out how copper modulate the amyloid core region of protein
- If everything goes well this could be a “potential discovery” as Chris said.



Hocking hill station visit



Niagara falls visit

Why to study in USA?

- Top Ranking Universities
- Amazing innovation and research
- Academic flexibility
- Funding opportunities
- Global contacts
- Well rounded personality
- Travel the world

Top Ranking Universities

- According to the latest reports by various highly acclaimed ranking agencies such as the QS World, USA has emerged as a leading country known for its quality education
- Out of top 100 world universities around 30 are from US itself
- As per QS ranking 2018 only three Indian institution are in Top 200. IIT Delhi- 172, IIT Bombay- 179 and IISc Bangalore- 190

World class faculty

- Most professors in the US universities are well trained and have a strong background of academic and research and years of experience
- The professors enjoy introducing new approaches to teaching and research methodologies and always encourage their students to bring out their best



Amazing innovation and research

- The US is at the forefront of scientific and creative innovation. Large research institutions in the US, in particular, offer opportunities for students to work side-by-side with their professors and apply what they are learning in the classroom in the lab or workshop.
- US institutions proudly support the fieldwork their faculty is doing and information is readily available on research opportunities students can undertake.

Academic flexibility

- The USA education system is flexible in terms of choice of courses within a college or university. During the course of study, a student can transfer from one course/stream to another.
- This diversity offers students options to specialize in a variety of academic disciplines and even gain employment training



Funding opportunities

- The education definitely falls in the category of value for your money. USA education is the best investment for the future
- A wide spectrum of tuition fees, accommodation options & financial help from the institutions in the form of scholarships, fee waivers, aids, etc makes USA education affordable



Khorana Program- Summer Internship for Indian students in US Universities
Fulbright fellowship- Visiting and full Ph.D fellowship
Various other Ph.D and post doctoral fellowships supported by Indian and US Government

Global contacts

- Since US Education is very popular among all international students, staying on campus helps students in making new friends from all over the world, learn a lot about other cultures and communities and enrich their experiences
- For many international students, living in a hostel/dormitory with other university students gives them an opportunity to meet new people from different backgrounds and make lifelong bonds. When you return home with US qualifications, you boast of your international links



"In diversity there is beauty and there is strength"

Angelou

Maya

Well rounded personality

- US education system encourages holistic development of the students. Prime focus is on the prolific development of the students through practical exposure and application based academics
- US provides both a conducive and challenging environment, that makes a student much stronger individual and an extremely independent person
- The exposure to the US, one of the most culturally diverse and inclusive societies in the world, along with its vibrant college campuses, is seldom replicated in those of any other countries.



Get international experience for your CV

- Being aware of the fact that US universities have a great reputation and are well-known for the quality of their education, it's not surprising that companies are excited to welcome young people with US degrees
- By studying in the US, you will make the first step towards a successful international career. During your student years, you will also have the opportunity to gain experience in your field of study through the Optional Practical Training program
- Studying abroad at a US university is perfect preparation for an international workplace, giving you the international experience which is sought by many employers



Travel the world

- Travelling Abroad for a holiday from India always looks like an expensive affair, but when you are living abroad and earning in a foreign currency, making holiday plans to exotic locations will be a lot easier
- Countries like UK, US are portals to get easy access to some of the most exiting travel destinations



**“sair kar duniyā kī ghāfil zindagānī phir kahāñ
zindagī gar kuchh rahī to ye javānī phir kahāñ”**

Mirza Galib

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Thank You

**Tu Raaze- Kun Fakan h Apni Aankho Par Ayan Ho Ja
Khudi Ka Raazdan Ho Ja Khuda Ka Tarjuma Ho Ja**

Allam Iqbal