

REPORT

Career opportunities after masters in Lifesciences & Natural sciences

Date: - 30th October 2021

Resource Person: - Dr. Vandana. E. Goswami, Ph.D.

Department of Biochemistry, Mount Carmel College organised a seminar on Career Development after Masters in Life science and Natural sciences on 30th October 2021. The keynote speaker for the day was Dr. Vandana. E. Goswami, Ph.D. who works as a Specialist in Production Materials at Merck Group. This was an initiative taken forward in order to help students pursuing Masters in various fields of Biochemistry/ Biotechnology/ Life science to gear up for a life outside the campus and face the outside world with the upcoming challenges.

Dr. Vandana Goswami explained and expanded our horizon on both conventional and unconventional routes available to life and natural science graduates. Beginning with the conventional route like PhD, where she spoke about the academia (research & teaching), industry (pharma/medical/life science companies etc. research associates) and other alternatives available to us as PhD holders. She emphasized a lot on how we should let our passion choose our route as years down the path we choose the passion will only help us stay on path and motivate us to move forward with it, not losing confidence and getting demoralized when experiments fail during and after PhD. She also touched upon the semi and unconventional routes taken after masters, for those who find science isn't really for them or they don't find passion in hardcore science. They can follow their passion in careers like; research associate/scientist/expert/specialist (although chances are slim for master's degree holders), teaching (requires B. Ed for school level and NET qualification for UG level), quality control (in pharma/life science companies have a huge market but specialization is required), content creator (companies like Merck hire postgraduates to write scientific details about the product/journal), food & safety (our analytical skills/ problem solving/ subject matter expertise makes us perfect for the job). In unconventional routes she spoke about the fields which are new and growing in market starting with AI/ML (data science), Environmental sciences (current climate crisis), IPR/Patent Lawyer (law), MBA, Entrepreneurship, etc.

The speaker also gave us information about the courses which we can take up after post-graduation like Ph. D., M. Phil., M. Tech., along with other certifications in courses like AL/SQL/Python (for data science jobs), PMP (project manager roles), Quality control (pharmaceutical/medical companies), Six Sigma (process related job roles in product manufacture/packaging etc.), IPR Laws (Patent lawyer), Environmental science (environmentalists), MBA, B. Ed. (teaching in schools), NET (teaching in colleges) etc. Along with all these career options she shared the websites which can help us find and land a job of our liking (LinkedIn, Monster, Naukri.com, Indeed, Shine) and how important networking is to get a touch into the industry, she explained the importance of networking not only in our specialized field but also in other associated and unassociated fields.

Lastly, Dr. Vandana emphasized on how important it is to follow our passion and believe nothing is impossible. She also encouraged us to try and find what we are passionate about in case it is not the course we are currently pursuing it's never too late to change out career.

Next up she shared her personal experience about how she landed onto a PhD post under a scientist in Germany via networking and then she also received DAAD scholarship. Her journey was not an easy one as being international student and Germany being German speaking country, basic communication was difficult along with failed experiments which indeed demoralized her, but she never gave up and defended her PhD thesis successfully. She shared her experience about how she worked in small lab before getting into Merck found her passion not in hardcore chemistry but rather on the operation, commercial and marketing campaign side of the science.

The session was concluded by taking up questions from audience and helping/guiding them to know a bit better about how to approach our goals after completion of master's degree. She gave insights on DAAD scholarship selection process, other European scholarships, PhD challenges, corporate industry requirements for fresher, Food safety officer role requirements, DRDO PhD insights, Jobs abroad after Indian Master's degree, preparation required for PhD, PhD fellowships in India, Pros and Cons of entering corporate after and before PhD.

The session was concluded by MCC alumni Ms. Anjali Anil, who arranged this extremely informative session to help us find our way into the corporate world.

"Campus to Career" - Session 1 by Dr. Vandana Goswami

12:59

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Routes

CONVENTIONAL	SEMI- CONVENTIONAL	UNCONVENTIONAL
Ph.D. <ul style="list-style-type: none"> Academia (Research & Teaching) Industry Branch out to semi-conventional and unconventional routes 	NO Ph.D. <ul style="list-style-type: none"> Research Associate/Scientist/Expert/ Specialist Teaching Quality Control Content Creator Food & Safety 	

Vandana Goswami

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Vandana Goswami

Anjali Anil

SALEEMA SULTANA S

Meeting chat

GAYATHRI KM 15:30 Thank you ma'am!

MEGHNA ORAGANTI 15:31 Ma'am do we need to contact a professor for ms abroad too?

KOMAL J 15:32 Thank you ma'am

MEGHNA ORAGANTI 15:33 Thank you ma'am

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01:24:30

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Vandana Goswami

Anjali Anil

ADITI JAIN

Meeting chat

more time to complete PhD is better? like India having a standard time span of 6-7 years for phd and abroad having lesser time

15:44 Thanks again ma'am!

Anjali Anil 15:50 NCBS, BBT, ICMR, JNU, NIPER, NIMHANS

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Vandana Goswami Anjali Anil KAVITHA G SINGH

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01:28:51

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Anjali Anil KAVITHA G SINGH Vandana Goswami Shruti Biswas (Guest)

INDHU S SALEEMA SULTANA S ADITI JAIN DEVANGNA PAUL AMRUTHA SHASTRY PADARU

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