



RESEARCH AND DEVELOPMENT CELL  
**PROVIDENCE WOMEN'S COLLEGE**

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**Department of Zoology**

**TOPIC**

**Joys & Tears of Research-  
Where Everything You Dream is on the Other Side  
of Fear**

*Time : 7 pm .*

*Date:  
July 30, 2021*



**Dr NISHANA M.**  
**RESEARCH SCIENTIST**  
**NEW YORK UNIVERSITY**  
**LANGONE MEDICAL CENTRE, USA**

## **Joys and Tears of Research -Where Everything you Dream is on the other side of Fear**

On 30th July 2021, the Department of Zoology in association with the R&D Cell, conducted a webinar on the topic "Joys and tears of research - where everything you dream is on the other side of fear". The webinar commenced at 7pm and was conducted via Google meet. The resource person, Dr. Nishana M is a renowned research scientist at Langone Medical Center, New York University, with an excellent academic back history.

### **Topics covered in the webinar:**

- Defining research:
  1. What is research?
  2. Who can do research?
  3. How to go about doing research?
- Join a lab
- Identify a project
- Design the experiments
- Perform the experiments
- Keep a protocol
- Analyze and interpret data
- Present and publish without plagiarism
- Write manuscripts
- 4. How do you feel doing research?
- 5. How do you develop yourself?
  - Level I: Research Assistant
  - Level II: Formulate your own problem and solve it
  - Level III: Formulating problems for others to solve
- 6. How do you know it is good research?
  - Most common misunderstandings on research
  - Research in a nutshell
  - When to start preparing for research? Now
    1. Score in board exam
    2. Choose a good laboratory for the project
    3. Clear the entrance hurdles
    4. Procure scholarships
    5. Don't miss out on opportunities
    6. Clear the interviews
    7. Course work
    8. Choose the right lab/guide
  - Steps to become a research scholar

- After research
  1. Propagate/teach
  2. Apply in academics/industries
  3. Alternate jobs
- Opportunities for research - Entrance examinations and premium institutions:
  1. Integrated PhD (IISc, NCBS/TIFR, IISER etc.)
  2. Research after M.Sc
  3. Junior Research Fellowship
- Statutory warning on research

Research is not a piece of cake, in fact no job is. It is not the only " great thing" to achieve in life and anyone should have a job no matter how small you think it is. Be independent. Dr. Nishana shared the most meaningful realisation, eventually all that matters is passion and happiness. An interactive session was arranged to clear all the queries. Throughout the webinar, around 79 participants were present including students and faculty members.

Overall, it was a great, sharp yet simple session. A beautiful, and complete overview was provided in the most comfortable manner. The session ended at 8:30 pm.

Date: 30/7/2021.

PROVIDENCE WOMEN'S COLLEGE  
DEPARTMENT OF ZOOLOGY

TOPIC: JOYS & TEARS OF RESEARCH — WHERE EVERYTHING  
YOU DREAM IS ON THE OTHER SIDE OF FEAR.

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