

Rewards of Research

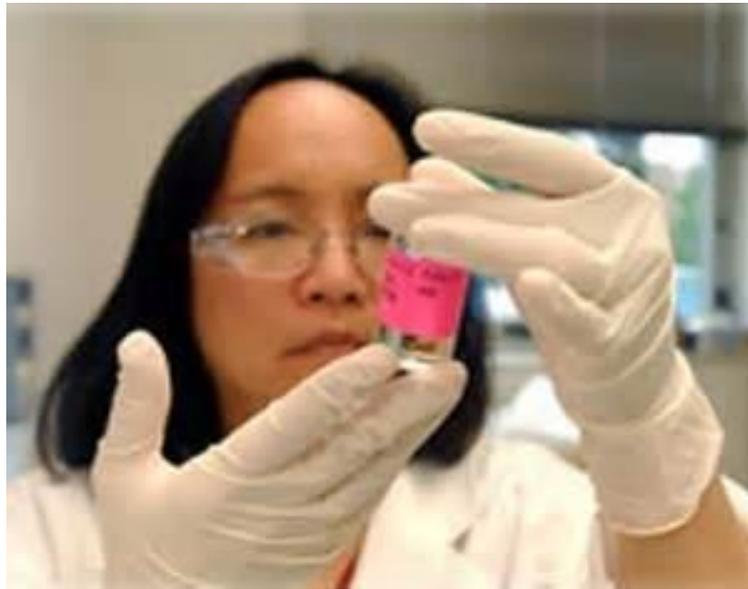
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Why are you doing research?

- ▶ Do you do it because you love it?



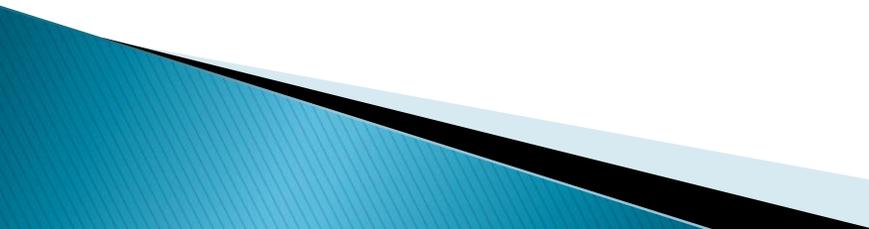
- ▶ **Do you think of the rewards that follow after doing it?**



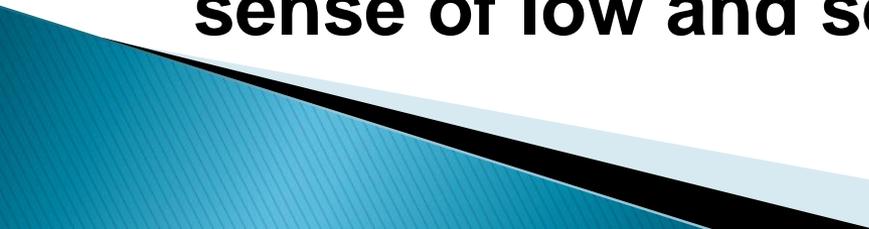
▶ **Psychologists believe that people choose their behavior because of two reasons (Zimmerman, 2013).**

-> intrinsic motivation

-> extrinsic motivation

- ▶ **For intrinsic motivation:**
 - ▶ **A person chooses a behavior simply because of interest and enjoyment.**
 - ▶ **Doing what you like is considered a reward itself.**
 - ▶ **What you do is considered to be an accomplishment and achievement.**
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- ▶ **For extrinsic motivation:**
 - ▶ **You do something not because you love doing it but because of factors outside yourself.**
 - ▶ **You do it because of the rewards that you will receive after doing the activity.**
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- ▶ **According to Kaplan (2010):**
 - ▶ **You think of tangible rewards such as money, prizes or other benefits.**
 - ▶ **You may consider intangible rewards like social approval, sense of worthiness, sense of consciousness,**
 - ▶ **avoidance of tangible and intangible punishments such as scolding, rejection or sense of low and self worth.**
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▶ **Related to intrinsic motivation**

**“ Theory of Self Determination”
(Ryan and Deci, 2000)**

▶ **Considering the premise behind the theory**

people have three innate needs:

a. The need to feel competent.

b. The need to feel related or connected with others.

c. The need to feel autonomous or self determined.



- ▶ **When people feel competent, connected and self determined, they are considered to be intrinsically motivated.**
 - ▶ **There is joy in doing what interest you.**
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- ▶ **What ever your reasons are, definitely there are rewards in doing research.**

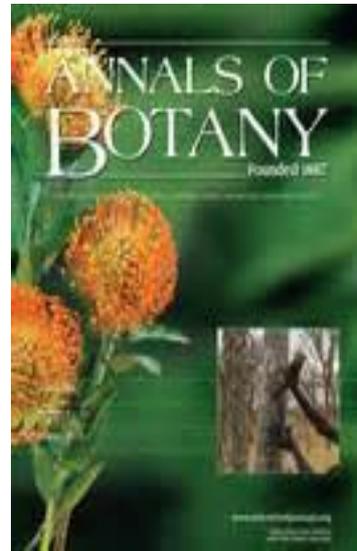
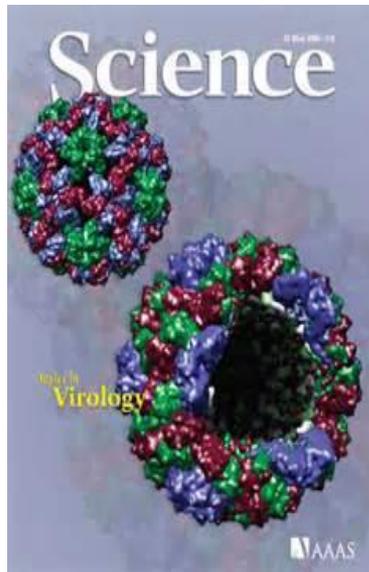
- 1. Scientific contribution to your field of interest**

- >present results in local or international scientific conference**

2. Become more effective by utilizing the results of your own researches in teaching



3. Train your thesis students (BS, MS and PhD) in research and help them come up with scientific publication.

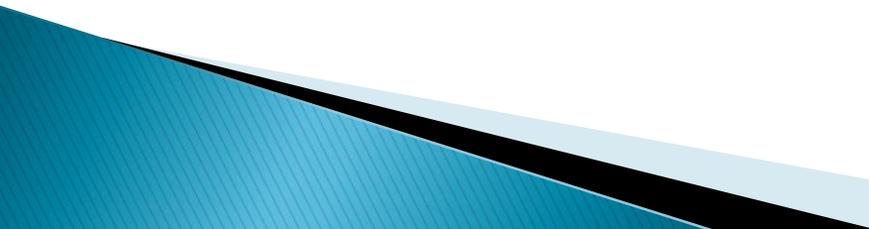


4. Get a patent for your work.

- ▶ Patent is a set of exclusive right granted by a national government to an inventor or assignee for a limit period of time in exchange for the public disclosure of an invention (Devaki-fa,2011).**
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- ▶ **Patented inventions include:**
 - **new products,**
 - **new processes of manufacturing,**
 - **improvement to an existing products or process,**
 - **new chemical compounds, and**
 - **new methods or processes**
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- ▶ **Some of the advantages of patents include:**
 - ▶ **a. It gives an inventor the right to stop others from manufacturing, copying, selling and importing the patent goods without the permission of the patent holder.**
 - ▶ **b. The patent holder has the exclusive rights to use the invention.**
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- ▶ **c. The patent holder can utilize the invention for his/her own purpose.**
 - ▶ **d. The patent holder can sell the patent any price he/she believes suitable.**
 - ▶ **e. The patent provides protection for a predetermined period (20 years).**
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- ▶ **5. Royalty if you developed a technology.**
- ▶ **6. Improvement of your h-index.**

The h-index is based on lifetime citation received by scientist's articles (www.elsevier.com).

This rates a scientist performance based on his career publications.

- ▶ **It is measured by the lifetime number of citations each article receives.**
 - ▶ **The h-index is 20 if 20 articles have received at least 20 citations.**
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▶ **7. Assurance of tenure and promotion.**

In UP, the “publish or perish” is strictly followed.

After doing an MS degree, there must be a publication in order for the faculty to have tenure.

- ▶ **Promotion to rank in UPLB is dependent on the number of publications.**
 - ▶ **Associate Professor 1 → 5 publications**
 - ▶ **Professor 1 → 12 publications**
 - ▶ **Professor 12 → 23 publications.**
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▶ **8. National and international recognition**

a. UP Scientific Productivity System

**UP Scientist I – 150,000.00/year for
three years**

**UP Scientist II- 180,000.00/year for
three years**

**UP Scientist III-200,000.00/year for
three years**

- ▶ **b. UP International Publication Award-
P55,000.00 (Impact Factor)**
- ▶ **c. DOST Scientific Career System**



Congratulations

Dr. Mudjekeewis D. Santos

for being conferred as:

SCIENTIST II

Presidential *&* Lingkod
Bayan Awardee

We are very proud of you!

..from your NFRDI family



▶ **d. National Academy of Science and Technology - Outstanding Young Scientist**



- Outstanding Scientific Paper Award

▶ **e. Third World Academy of Science Award (TWAS)-P100,000.00**



▶ **f. The Outstanding Young Men (TOYM) of the Philippines**



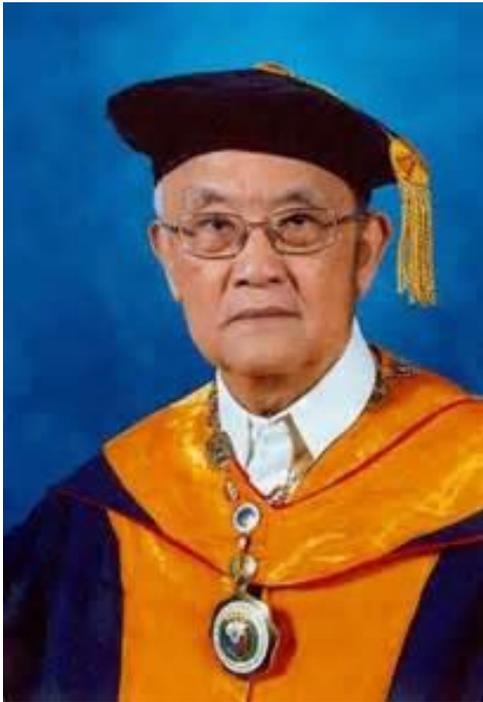
- ▶ **g. L' Oreal Philippines-UNESCO and DOST- For Women in Science (FWIS) -National Fellowship Grant P400,000.00**



h. NAST Academician



▶ **i. National Scientist**



- ▶ **Doing research will indeed lead to professional development and academic achievements.**
 - ▶ **If ever rewards come in your way, just consider it as bonus for doing something you love.**
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- ▶ **“If we come to view ourselves as working for an external reward, we will no longer find the activity worth doing in its own right.”**

Alfie Kohn

Thank you very much.

References

Devaki-fa, M. 2011. Advantages and disadvantages of patent. Degree Biology.

National Academy of Science and Technology. 1999. Polystar Graphics and Multi Print. Paranaque City.15 pp.

Ryan, R.M. and E.L. Deci 2000. Self determination theory and facilitation of intrinsic motivation, social development, and well-being. American Psychologist. 55:68-78.

Zimmerman, L. 2013. Finding your inner happy in a overwhelmed world. United Methodist Pub. House, Nashville USA. 191pp.

www.elsevier.com.

