



**SETTING OUT A SUCCESSFUL
RESEARCH CAREER**

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QUOTE

“The science of today is the technology of tomorrow.”

- *Edward Teller*



United Nations Sustainable Development Goals

On 1 January 2016, 17 Sustainable Development Goals (SDGs), adopted at the UN summit came into force. The Goals call for all countries to promote economic growth through scientific research while protecting the planet.



What is Scientific Research

- Investigation conducted for the purpose of contributing towards science by the systematic collection, interpretation and evaluation of data in a planned manner.
- The process used by scientists to study various phenomenon. It involves evaluating hypotheses using systematic methods of collecting, analyzing, and interpreting data.



RESEARCH CULTURE

Research culture encompasses the behaviors, values, expectations, attitudes and norms of our research communities. It influences researchers' career paths and determines the way that research is conducted and communicated.

Steps To Promote A Positive Research Culture

- Leadership Support
- Research Strategy
- Research Support Infrastructure
- Funding Opportunities
- Collaboration and Networking
- Mentoring and Professional Development
- Recognition and Rewards
- Research-Teaching Nexus
- Communication and Dissemination
- Evaluation and Feedback

DEFINING YOUR RESEARCH INTEREST

The easiest way to develop an interest in research is to look into something that affects you personally, or that will affect your life or one of your interests in some important way. If you're interested in the topic you're researching, you'll enjoy reading and learning about it

Mapping Out Your Interests

- What subjects in your field interest you
- What specifically made them interesting
- What problems are you most interested in exploring
- What research topics relate to that field or sector in your career
- What skills are you interested in developing

Ways Enhancing Your Research Impact

Cultivate Collaborative Networks
Publish Strategically
Embrace Science Communication
Engage with the Public and Policy Makers
Pursue Funding Opportunities
Stay Current and Embrace Innovation

Ways To Improve Your Research Profile

Choose the Right Topic
Choose the Right Projects
Choose the Right Journals
Choose the Right Co-author/s
Get Connected to your University
Get Connected Online

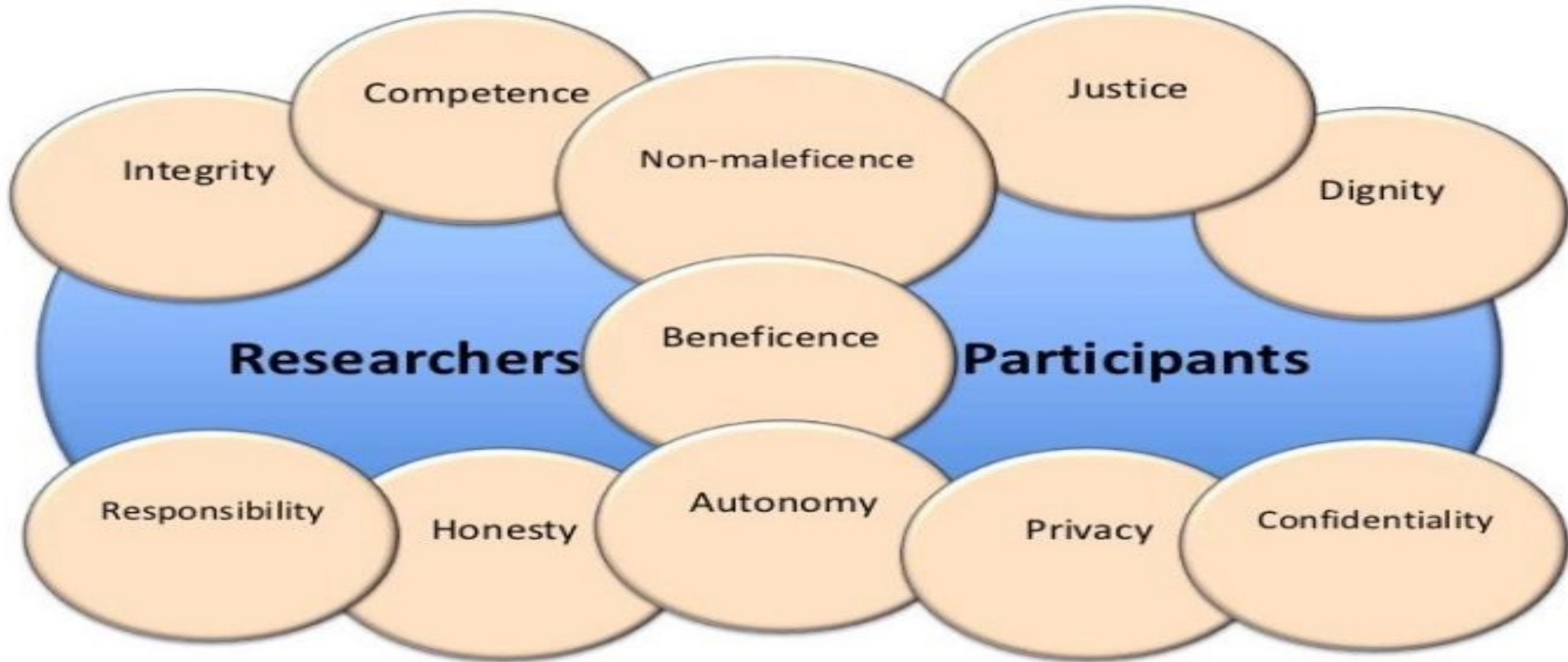
RESEARCH ETHICS

Ethical considerations in research are a set of principles that guide your research designs and practices. Scientists and researchers must always adhere to a certain code of conduct when collecting data from people. What you decide to research and how you conduct that research involve key ethical considerations.

- Research ethics matter for scientific integrity, dignity, and collaboration between science and society.
- Research ethics govern the standards of conduct for scientific researchers.



Ethical Principles of Research



CODE OF CONDUCT FOR AUTHORS



A scientific paper is critical for modern science evolution, and professional advancement. However, it comes with many responsibilities. An author must be aware of good publication practices. While refraining from scientific misconduct or research frauds, authors should adhere to Good Publication Practices.

Publications which draw conclusions from manipulated or fabricated data could prove detrimental to society. Good science can blossom only when research is conducted and documented with complete honesty and ethics.

CODE OF CONDUCT FOR AUTHORS



Some Ethics For Authors

Authorship. Every author listed on a journal article should have made a significant contribution to the work reported.

Plagiarism. When somebody presents the work of others as if they were his/her own and without proper acknowledgment.”

Data fabrication / falsification. It is essential that all data is accurate, and representative of your research.

*Thank
you*

