



UNIVERSITY OF THE
WITWATERSRAND,
JOHANNESBURG

POLICY DOCUMENT

RESEARCH INTEGRITY

WITS POLICY

Version Control

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1. CONTEXT

The University of the Witwatersrand, Johannesburg (Wits, or the University), is a research intensive university that strives for excellence in research as part of the broader scope of scholarly endeavour. Research is understood to be the process of thorough investigation, systematic discovery and/or rigorous analysis that aims to uncover the truth, produce a deeper understanding and/or create new knowledge.

Importantly, research is inexorably intertwined with the principles of integrity, honesty and reliability. The aim of this policy is to influence the behaviour of individuals and the corporate University, and to get researchers to collectively commit to conducting research with the utmost integrity and ethics.

This commitment is made within the context of the full recognition that *academic* and intellectual *freedom* enables high quality research. This policy is to be read in conjunction with the *Wits Code of Conduct*¹ and the associated *Research Integrity Processes* document.

It is important to recognise too that breaches of research integrity norms and standards lead inevitably to the harm of participants and damage to the reputations of individuals and the University, which in turn impedes ongoing and future high quality research.

¹ HRG/26, C2006/482, 8 December 2006 (<http://intranet.wits.ac.za/exec/registrar/Policies/HRG26%20-%20Code%20of%20Conduct.pdf#search=code%20of%20conduct>)

2. PURPOSE OF THE POLICY

This policy seeks to sustain an environment that supports vibrant research and scholarship by creating an enabling framework that guides the conduct of the *Wits research community*. Specifically, the purpose of the policy is to:

- Inspire the *Wits Research Community* to embrace the highest standards of research integrity and *ethics*;
- Engender respect for the dignity and rights of all *stakeholders*;
- Articulate *ethical* norms that transcend disciplinary boundaries;
- Describe the structures and mandates for the *ethical* review of research; and
- Ensure compliance with internationally accepted *ethical* standards, related University policy and pertinent South African law.

3. DEFINITIONS

For the purpose of clarity the defined words and phrases are written in italics indicating their specific meanings in the context of this policy.

Research integrity involves “a commitment to intellectual honesty and personal responsibility for one’s actions and to a range of practices that characterize responsible research conduct” (The US Dept of Health and Human Services, 2018). These practices include but not limited to:

- Honesty and fairness in proposing, performing, and reporting research, which includes the practices related to authorship and acknowledging inputs that do not qualify for authorship²;
- Accuracy and fairness in representing contributions to research proposals and reports;
- Proficiency and fairness in peer review;
- Collegiality in scientific interactions, communications and sharing of resources including where appropriate research data, equipment, computer code, etc.;
- Disclosure of conflicts of interest;
- Ethical treatment of humans in the conduct of research;
- Humane care of animals in the conduct of research;
- Adherence to the mutual responsibilities of mentors and trainees; and
- Responsible use of University, donor and public funds.

Further pertinent definitions include, in alphabetical order:

3.1. ‘**Academic freedom**’ refers to ‘the right of scholars to pursue their research and teaching and to publish without control or restraint from the institution that employs them’ (Task Force on Higher Education and Society (TFHES), 2000).

3.2. ‘**Ethics**’ is a branch of philosophy that deals with moral issues and is concerned with “moral principles that govern a person’s behaviour or the conducting of an activity”

² This policy should be read and implemented in conjunction with the URC Guidelines on Authorship available at <http://intranet.wits.ac.za/academic/uro/Pages/Research-Strategy-and-Policy.aspx>

(Anon., 2018). In the context of this policy, the word *ethics* (and its adjective) is seen as part of the broader concept of research integrity but is used here with a focus on the independent assessment and approval of research (conducted by *staff*, *students* and *researchers*) as *ethical* before the research is initiated.

- 3.3. **'External research'** includes any research that may involve *staff* and/or *students*, be it on or off the Wits campuses, where the *Principal Investigator* is not a member of the Wits *staff* or *student* body.
- 3.4. **'Institutional research'** includes research conducted by *staff* and/or *students*, be it on or off the Wits campuses, where the *Principal Investigator* is a member of the *staff* or *student* body at Wits.
- 3.5. **'Principal Investigator'** refers to the person who assumes responsibility for a research project, protocol or study – the project leader.
- 3.6. **'Research Ethics Committee'** in the context of this policy refers to an independent review committee constituted with a reasonable number of members greater than nine, who collectively have the knowledge and experience to review and evaluate the *ethics* of proposed research.
- 3.7. **'Vulnerable Persons or Groups'** refers to individuals or groups who have "... substantial incapacity to protect their own interests owing to such impediments as lack of capability to give informed consent, lack of alternative means of obtaining medical or psychological care or other necessities, or being a junior or subordinate member of a hierarchical group". (Anon., 2017) Although vulnerability must be decided on a case by case basis by the research ethics committee some guidelines include:
 - 3.7.1. Persons under the age of 18 years (children and adolescents)³;
 - 3.7.2. Persons with mental or physical incapacity;
 - 3.7.3. Persons traumatised due to exposure to physical, psychological and/or emotional abuse or trauma).
- 3.8. **'Wits Research Community'** consists of:
 - 3.8.1. Wits **'staff'** members which refers to all categories of employees of Wits, including academic, professional and administrative, whether jointly appointed, permanently appointed, appointed on fixed term contracts or on a sessional basis, including postdoctoral fellows;
 - 3.8.2. **'Students'** includes all persons registered full time or part time for a degree, diploma, licentiate or certificate of the University, which includes undergraduate and postgraduates; and

³ Even here the descriptor "under 18 years of age" should not be applied rigidly, but rather on a case by case basis. There are very often cases where minors are able to give consent independently of guardians, for instance, people under 18 who have no guardians.

- 3.8.3. **'Researchers'** who are people who undertake research at and/or through Wits and may include external researchers, external collaborators, partners, external supervisors, non-*staff* research associates, non-*staff* research assistants, and so on.

4. SCOPE

The scope of this policy includes all *institutional* and *external research* as defined above.

5. PRINCIPLES

It is acknowledged that the *ethics* of research are developed and refined within an ever-evolving societal, political and cultural context. Nonetheless, it is necessary that the *Wits Research Community* conduct research within the framework of internationally acceptable moral imperatives, *ethical* principles and the national legal framework. This policy is thus based on the guiding principles and legal imperatives of the following three documents and their amendments.

- 5.1. **The Constitution of the Republic of South Africa** (Act 108 of 1996): The Bill of Rights (Chapter 2 of the Constitution) enshrines the rights of all people and affirms the democratic values of human dignity, equality and freedom. Section 12(2)(c) specifies the right of the individual “not to be subjected to medical or scientific experiments without their informed consent”. Section 16(1)(d) states that individuals have the right to freedom of expression which includes “academic freedom and freedom of scientific research”. Section 24 refers to the rights of individuals “to an environment that is not harmful to their health or well-being; and to have the environment protected for the benefit of present and future generations ...”
- 5.2. **National Health Act** (Act 12 of 2013) as amended from time to time, specifically section 72, “National Research Ethics Council” and section 73, “Health Research Ethics Committees” which layout a framework for *ethical* research in South Africa and the Department of Health, *Ethics in Health Research: Principles, Processes and Structures*, 2nd ed. 2015 (“National Guidelines 2015”); and
- 5.3. **Singapore Statement on Research Integrity** (Anon., 2010): Since the University is a signatory to the Singapore Statement (see reproduction in the Appendix here attached) this policy conforms to its principles. These principles include:
- 5.3.1. Honesty in all aspects of research;
 - 5.3.2. Accountability in the conduct of research;
 - 5.3.3. Professional courtesy and fairness in working with others; and
 - 5.3.4. Good stewardship of research on behalf of others.

6. THE WITS POLICY STATEMENT ON RESEARCH INTEGRITY

The policy statement on research integrity which is presented as a template to be adopted by the *Wits Research Community* includes the following elements:

- 6.1. **Conflict of Interest:** Researchers should disclose financial and other conflicts of interest that could compromise the trustworthiness of their work in research proposals, publications and public communications as well as in all review activities.
- 6.2. **Respect:** This principle should permeate the conduct of all researchers and refers to operating in accordance with appropriate regulations, *ethically* accepted standards in relation to themselves, their colleagues, the wider scientific and academic community, their *research participants* as well as the environment and broader society. This includes respect for diversity and the specific responsibilities of researchers in their interaction with research participants of different languages, cultures and capacities/abilities, different species, and the environment.
- 6.3. **Free and Informed Consent:** Informed consent means that participants in research projects should understand what they are consenting to and should know that they are free (without coercion) to decide not to participate. Individuals are generally presumed to have the capacity and right to make these free and informed decisions.
- 6.4. **Vulnerable Persons or Groups:** It is particularly important to consider the *ethical* obligations towards *vulnerable persons or groups*. They are entitled, on grounds of human dignity, caring, solidarity and fairness, to special protection against abuse, exploitation or discrimination. By the same token, *animal participants* must be treated humanely because they cannot give consent.
- 6.5. **Respect for Privacy and Confidentiality:** Standards of privacy and confidentiality protect the access, control and dissemination of personal information and help to protect mental or psychological integrity.
- 6.6. **High Quality Peer Review:** Peer review plays an important quality assurance role in research. When asked to perform peer review the *Wits Researcher Community* should only do so if the material to be reviewed is within their field of expertise and then they should provide fair, prompt and rigorous evaluations. They should also respect confidentiality standards during and after such reviews.
- 6.7. **Public Communication:** Researchers should limit professional comments to their recognized expertise when engaged in public discussions about the application and importance of research findings and clearly distinguish professional comments from opinions based on personal views.
- 6.8. **Beneficence and Non-Maleficence:** Researchers have an obligation to do no harm (non-maleficence) as well as to ensure, as appropriate or possible, that their research endeavours aim at overall good (beneficence). In the planning and execution of a study, the researcher should always take into consideration the *ethical* acceptability and the foreseeable consequences of the research where this indirectly or directly affects human beings and animals. This implies a cost-benefit analysis to ensure a balance between risks and benefits. Such an analysis needs to include human/animal discomfort/risks, and impact on the environment.

- 6.9. **Respect for Justice and Inclusiveness:** Justice connotes fairness and equity in terms of fair methods, standards and procedures. It is also concerned with the distribution of benefits and burdens/harms of research. On the one hand, this means that no segment of society should be unfairly burdened with the harms of research and on the other hand, imposes duties to neither neglect nor discriminate against individuals and groups who may benefit from advances in research.
- 6.10. **Reporting Irresponsible Research Practices:** Researchers should report any and all suspected research misconduct, including fabrication, falsification or plagiarism, and other irresponsible research practices that undermine the trustworthiness of research, such as carelessness, improperly listing authors, failing to report conflicting data, or the use of misleading analytical methods to the Research Integrity Officer either directly or preferably via the University Integrity Hotline (email: Wits.Integrity@Wits.ac.za or telephone: 082 938 45 59/69).
- 6.11. **Responding to Irresponsible Research Practices:** Research institutions, as well as journals, professional organizations and agencies that have commitments to research, should have procedures for responding to allegations of misconduct and other irresponsible research practices and for protecting those who report such behaviour in good faith. When misconduct or other irresponsible research practice is confirmed, appropriate actions should be taken promptly, including correcting the research record (see Sections **Error! Reference source not found.**, **Error! Reference source not found.**, **Error! Reference source not found.** on page **Error! Bookmark not defined.**).
- 6.12. **Scientific Integrity:** Research undertaken should be sound in terms of methodology and scientific validity and be conducted by researchers who are technically competent. The highest standards of honesty and accuracy with respect to research data are expected at all times. This implies that experimental data should not be created, ignored or inappropriately manipulated. Researchers should keep clear, accurate records of all research in ways that will allow verification and replication of their work by others. Researchers should share data and findings openly and promptly, as soon as they have had an opportunity to establish priority and ownership claims.
- 6.13. **Authorship and Public Acknowledgement:** Researchers should take responsibility for their contributions to all publications, funding applications, reports and other representations of their research. Lists of authors should include all those and only those who meet applicable authorship criteria (see University Research Committee (URC) Authorship Guidelines⁴). Researchers should acknowledge in publications the names and roles of those who made significant contributions to the research, including writers, funders, sponsors, and others, but do not meet authorship criteria.
- 6.14. **Academic Bullying:** It is recognised that in unequal power relationships that may involve supervisor and *student* or senior academic and junior academic that

⁴ The URC Guidelines on Authorship available at <http://intranet.wits.ac.za/academic/uro/Pages/Research-Strategy-and-Policy.aspx>

academic bullying, especially involving matters of authorship, is a risk and should be guarded against.

- 6.15. **Respect for the Environment:** It is acknowledged that research can impact on the natural and created environments and thus the *Wits Research Community* should evaluate the potential impact of their research on the environment, and declare the possible impact, however unlikely. Where remedies are required, such plans should form part of the research design and execution.
- 6.16. **Responsible use of University, Donor and Public Funds in Research Activities:** Internal and external funding is an important factor in the research process. The *Wits Research Community* undertakes to use these funds in such a manner that is compliant with University policy, funder agreements and national law.

7. ACKNOWLEDGEMENTS

Many people have read drafts of this policy and have offered their criticisms and advice willingly and meaningfully. These contributions are gratefully acknowledged.

8. WORKS CITED

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APPENDIX: SINGAPORE STATEMENT ON RESEARCH INTEGRITY

Preamble. The value and benefits of research are vitally dependent on the integrity of research. While there can be and are national and disciplinary differences in the way research is organized and conducted, there are also principles and professional responsibilities that are fundamental to the integrity of research wherever it is undertaken.

PRINCIPLES

Honesty in all aspects of research

Accountability in the conduct of research

Professional courtesy and fairness in working with others

Good stewardship of research on behalf of others

RESPONSIBILITIES

1. Integrity: Researchers should take responsibility for the trustworthiness of their research.

2. Adherence to Regulations: Researchers should be aware of and adhere to regulations and policies related to research.

3. Research Methods: Researchers should employ appropriate research methods, base conclusions on critical analysis of the evidence and report findings and interpretations fully and objectively.

4. Research Records: Researchers should keep clear, accurate records of all research in ways that will allow verification and replication of their work by others.

5. Research Findings: Researchers should share data and findings openly and promptly, as soon as they have had an opportunity to establish priority and ownership claims.

6. Authorship: Researchers should take responsibility for their contributions to all publications, funding applications, reports and other representations of their research. Lists of authors should include all those and only those who meet applicable authorship criteria.

7. Publication Acknowledgement: Researchers should acknowledge in publications the names and roles of those who made significant contributions to the research, including writers, funders, sponsors, and others, but do not meet authorship criteria.

8. Peer Review: Researchers should provide fair, prompt and rigorous evaluations and respect confidentiality when reviewing others' work.

9. Conflict of Interest: Researchers should disclose financial and other conflicts of interest that could compromise the trustworthiness of their work in research proposals, publications and public communications as well as in all review activities.

10. Public Communication: Researchers should limit professional comments to their recognized expertise when engaged in public discussions about the application and importance of research findings and clearly distinguish professional comments from opinions based on personal views.

11. Reporting Irresponsible Research Practices: Researchers should report to the appropriate authorities any suspected research misconduct, including fabrication, falsification or plagiarism, and other irresponsible research practices that undermine the trustworthiness of research, such as carelessness, improperly listing authors, failing to report conflicting data, or the use of misleading analytical methods.

12. Responding to Irresponsible Research Practices: Research institutions, as well as journals, professional organizations and agencies that have commitments to research, should have procedures for responding to allegations of misconduct and other irresponsible research practices and for protecting those who report such behavior in good faith. When misconduct or other irresponsible research practice is confirmed, appropriate actions should be taken promptly, including correcting the research record.

13. Research Environments: Research institutions should create and sustain environments that encourage integrity through education, clear policies, and reasonable standards for advancement, while fostering work environments that support research integrity.

14. Societal Considerations: Researchers and research institutions should recognize that they have an ethical obligation to weigh societal benefits against risks inherent in their work.

The Singapore Statement on Research Integrity was developed as part of the 2nd World Conference on Research Integrity, 21–24 July 2010, in Singapore, as a global guide to the responsible conduct of research. It is not a regulatory document and does not represent the official policies of the countries and organizations that funded and/or participated in the Conference. For official policies, guidance, and regulations relating to research integrity, appropriate national bodies and organizations should be consulted. Available at: www.singaporestatement.org