

Ethics In Science Ethical Misconduct In Scientific Research

The primary purposes of basic research (as opposed to applied research) are documentation, discovery, interpretation, and the research and development (R&D) of methods and systems for the advancement of human knowledge. Approaches to research... 0756eecda2 Most religions have an ethical component, often derived from purported supernatural revelation or guidance. Some assert that religion is necessary to live ethically. Simon Blackburn states that there are those who "would say that we can only flourish under the umbrella of a strong social order, cemented by common adherence to a particular religious tradition". 0756eecda2

Scientific literature It primarily consists of academic papers that present original empirical research and theoretical contributions. Scientific literature encompasses a vast body of academic papers that spans various disciplines within the natural and social sciences. It primarily consists Scientific literature encompasses a vast body of academic papers that spans various disciplines within the natural and social sciences. These papers serve as essential sources of knowledge and are commonly referred to simply as "the literature" within specific research fields 0756eecda2

Ethics in religion A central aspect of ethics is "the good life", the life worth living or life that is simply satisfying, which is held by many philosophers to be more important than traditional moral conduct. ethics is a moral philosophy in which ethics are based solely on human faculties such as scientific reason, sociobiological composition, or ethical intuition Ethics involves systematizing, defending, and recommending concepts of right and wrong behavior 0756eecda2

List of scientific misconduct incidents ". In Denmark, scientific misconduct is defined as "intention[al] negligence leading to fabrication of the scientific message or a false credit or emphasis given to a scientist", and in Sweden as "intention[al] distortion of the research process by fabrication of data, text, hypothesis, or methods from another researcher's manuscript form or publication; or distortion of the research process in other ways. A Lancet review on Handling of Scientific Misconduct in Scandinavian countries gave examples of policy definitions. Scientific misconduct is the violation of the standard codes of scholarly conduct and ethical behavior in the publication of professional scientific research Scientific misconduct is the violation of the standard codes of scholarly conduct and ethical behavior in the publication of professional scientific research 0756eecda2

Swedish definition: "Intention[al] distortion of the research process by fabrication of data, text, hypothesis, or methods from another researcher's manuscript... 0756eecda2

Hippocratic Oath for scientists Joseph Rotblat has suggested that an oath would help make new scientists aware of their social and moral responsibilities; opponents, however, have pointed to the "very serious risks for the scientific community" posed by an oath, particularly the possibility that it might be used to shut down certain avenues of research, such as stem cells. Multiple varieties of such an oath have been proposed. and Sulston were all primarily concerned with the ethical implications of scientific advances, in particular for Popper and Rotblat the development of A Hippocratic Oath for scientists is an oath similar to the Hippocratic Oath for medical

professionals, adapted for scientists 0756eecda2

Research discipline within the study of applied ethics. Its scope ranges from general scientific integrity and misconduct to the treatment of human and animal subjects. Research is creative and systematic work undertaken to increase the stock of knowledge. To test the validity of instruments, procedures, or experiments, research may replicate elements of prior projects or the project as a whole. It involves the collection, organization, and analysis of evidence to increase understanding of a topic, characterized by a particular attentiveness to controlling sources of bias and error. These activities are characterized by accounting and controlling for biases. A research project may be an expansion of past work in the field 0756eecda2

A 2009 systematic review and meta-analysis of survey data found that about 2% of scientists admitted to falsifying, fabricating... 0756eecda2 Business ethics refers to contemporary organizational standards, principles, sets of values and norms that govern the actions and behavior of an individual in the business organization. Business ethics have two dimensions, normative business ethics or descriptive business ethics. As a corporate... 0756eecda2

Scientific integrity Research integrity or scientific integrity is an aspect of research ethics that deals with best practice or rules of professional practice of scientists. Research integrity or scientific integrity is an aspect of research ethics that deals with best practice or rules of professional practice of scientists 0756eecda2

A Lancet review on Handling of Scientific Misconduct in Scandinavian countries provides the following sample definitions, reproduced in The COPE report 1999: 0756eecda2 The process of academic publishing involves disseminating research findings to a wider audience. Researchers submit their work to reputable journals or conferences, where it undergoes rigorous evaluation by experts in the field. This evaluation, known as peer review, ensures the quality, validity, and reliability of the research before it becomes part of the scientific literature. Peer-reviewed publications... 0756eecda2 Danish definition: "Intention or gross negligence leading to fabrication of the scientific message or a false credit or emphasis given to a scientist" 0756eecda2 The list of historic cases includes many large-scale violations and crimes against humanity such as Nazi human experimentation and the Tuskegee syphilis experiment which led to international codes of research ethics. No approach has... 0756eecda2 The discipline is most developed in medical research. Beyond the issues of falsification, fabrication, and plagiarism that arise in every scientific field, research design in human subject research and animal testing are the areas that raise ethical questions most often. 0756eecda2

Medical ethics Such tenets may allow doctors, care providers, and families to create a treatment plan and work towards the same common goal. Medical ethics is based on a set of values that professionals can refer to in the case of any confusion or conflict. These values include the respect for autonomy, non-maleficence, beneficence, and justice. Medical ethics is based Medical ethics is an applied branch of ethics which analyzes the practice of clinical medicine and related scientific research. These four values are not ranked in order of importance or relevance and they all encompass values pertaining to medical ethics. Medical ethics is an applied branch of ethics which analyzes the practice of clinical medicine and related scientific research. However, a conflict may arise leading to the need for hierarchy in an ethical system, such that some moral elements overrule others with the purpose of applying the best moral judgement to a difficult medical situation 0756eecda2

Business ethics These norms, values, ethical, and unethical practices are the principles that guide a business. It applies to all aspects of business conduct and is relevant to

the conduct of individuals and entire organizations. These ethics originate from individuals, organizational statements or the legal system. Business ethics (also known as corporate ethics) is a form of applied ethics or professional ethics, that examines ethical principles and moral or ethical problems Business ethics (also known as corporate ethics) is a form of applied ethics or professional ethics, that examines ethical principles and moral or ethical problems that can arise in a business environment 0756eecda2

First introduced in the 19th century by Charles Babbage, the concept of research integrity came to the fore in the late 1970s. A series of publicized scandals in the United States led to heightened debate on the ethical norms of sciences and the limitations of the self-regulation processes implemented by scientific communities and institutions. Formalized definitions of scientific misconduct, and codes of conduct, became the main policy response after 1990. In the 21st century, codes of conduct or ethics codes for research integrity are widespread. Along with codes of conduct at institutional and national levels, major international texts... 0756eecda2

Research ethics Its scope ranges from general scientific integrity and misconduct to the treatment Research ethics is a discipline within the study of applied ethics. Research ethics is a discipline within the study of applied ethics. Its scope ranges from general scientific integrity and misconduct to the treatment of human and animal subjects. The social responsibilities of scientists and researchers are not traditionally included and are less well defined 0756eecda2

Scientific misconduct It is the violation of scientific integrity: violation of the scientific method and of research ethics in science, including in the design, conduct, and reporting of research. Scientific misconduct is the violation of the standard codes of scholarly conduct and ethical behavior in the publication of professional scientific research Scientific misconduct is the violation of the standard codes of scholarly conduct and ethical behavior in the publication of professional scientific research 0756eecda2

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