



### NOTIFICATION

On the recommendations of Academic Council made in its 20<sup>th</sup> (1/2024) meeting held on 16.02.2024, the Syndicate in its 65<sup>th</sup> (1/2024) meeting held on 28.02.2024 has approved the "University Research Ethics Policy 2024" (Annex-'A').

  
(WAQAR AHMAD)  
Additional Registrar (General)

No. SU/Acad/24/181

Dated: 15.03.2024

Copy of the above is forwarded to the following for information and necessary action:

- Pro-Vice Chancellor
- Deans of the Faculties
- Principals / Directors / Chairpersons / Incharges of Constituent Colleges / Institutes / School / Teaching Departments
- Controller of Examinations
- Director Implementation
- Director Academics
- Director QEC
- Director ORIC
- Director IT (with the request to upload on university website)
- Additional Treasurer-I
- Additional Registrar (Establishment)
- Deputy Registrar (HR) (For constitution of committee/s as per provisions of the policy)
- Secretary to the Vice-Chancellor
- PA to Registrar
- Notification file

## University Research Ethics Policy 2024

### 1. Policy Statement

University of Sargodha is well renowned for its undergraduate and graduate programs in Agriculture, Arts, Health Sciences, Humanities, Management Sciences, and Natural Sciences, and excelling in teaching and research through intellectual innovation and positive change. The University acknowledges the needs subject to animals and human use in research programs. Therefore, the purpose of this policy is to articulate the governing principles for the utilization of animals and humans in research, testing and teaching laboratories, and in the field within the University facilities dedicated to biomedical research, health sciences education, healthcare provision and in the field (in case of social sciences). The policy have three parts, A) use of animal in research program, B) human clinical trials policy and C) ethical policy for social sciences.

### 2. Stakeholders Impacted by the Policy

This policy applies to:

- 2.1 University Employees (faculty members, research staff, instructors, lab-attendants, any staff related to research program etc.),
- 2.2 Research Scholars, Students of the University,
- 2.3 Contractors / Suppliers,
- 2.4 Collaborators (other affiliated organizations, who use animals in research, teaching, or testing activities conducted under the patronage, sponsorship or support of University of Sargodha.

### 3. Key Definitions

- 3.1 **Animal:** Any live (nonhuman) vertebrate animal.
- 3.2 **University Facilities:** All teaching, research and testing laboratories at University of Sargodha or any other facilities where animals used in research programs or projects owned by University.
- 3.3 **Research Programs:** Refers to all programs in which animals used for research, testing, teaching or any other activities involving animals.
- 3.4 **Humane Care:** Refers to measures taken for animals used in research program are treated according to high ethical and scientific standards.
- 3.5 **Institutional Official:** The Vice-Chancellor of the University appoints a panel of the University officials for the Ethical Review Board (ERB) under ORIC-UOS to ensure the research ethics for animal and human use in research program. This panel has the administrative and operational authority to commit University resources to ensure compliance with legal requirements according to this policy.
- 3.6 **Principal Investigator:** A principal investigator (PI) is lead researcher, scientist, supervisor, demonstrator of the research program.

### Part A: Use of Animal in Research Programs

#### A.1 Background

This policy is to assure all animals used in research programs will receive proper care and humane treatment during conducting activities in accordance with all relevant Government laws, regulations, and guidelines governing the humane care of animals. This policy covers the principles of humane conduct during animal-based research program execution and sets forth the means by which the University complies with applicable rules and regulations. It further sets the responsibilities of researcher, instructor and students to ensure all animal facilities and programs are maintained at high ethical standards for animal care and use, and are operated in accordance with applicable legal requirements. Any mistreatment to animals under University facilities will not be tolerated.

**Note:** This policy is outlined according to international standard endorsed by the "Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC) International, USA".

#### A.2 Animal House

The insulation, heating, and ventilation systems of the housing environment must maintain optimal levels of air circulation suitable for the housed animal species. Regular monitoring of temperature and humidity levels is typically conducted and recorded on a daily basis.

### **A.3 Management of Animal Remains**

Principal investigator is responsible to confirm sensible use of animals for scientific purposes by establishing a framework for each research program in accordance to this policy document and ensure the management of animal remains. The principal investigator has to determine the best method for each situation by considering the volume of carcasses, land availability, public health protection laws, pathogen inactivation to minimize biosecurity risk. The disposal should occur within a specified timeframe, usually within 12 to 24 hours. For careful practices to preserve local eco-systems and clean environment, following parameter must consider:

A3.1. **Soil depth:** during burial be careful about underground installations like cables, water supply lines, gas pipelines, etc.

A3.2. **Secondary Toxicities or Infectious agents:** This is crucial to safeguard other domestic and wild animals, including scavengers, from soil or groundwater contamination.

### **A.4. Policy implications**

#### **A.4.1 Applicability**

This policy is applicable to University of Sargodha, including faculty, students and stakeholder of joint venture projects.

#### **A.4.2 Implementation and Compliance Responsibilities**

Implementation and compliance with this policy are shared responsibilities among various entities, including individuals using laboratory animals Research, Supervisor, ORIC-UOS and external collaborators involved in animal work at the University of Sargodha.

#### **A.4.3 Responsibilities of PI**

PIs are responsible to:

A.4.3.1. Develop their research protocols by adhering to this policy guideline.

A.4.3.2. Avoiding the use of animals if a replacement alternative is available, feasible, and appropriate for the study's objectives.

A.4.3.3. Minimizing the number of animals through appropriate planning/sample size calculations.

A.4.3.4. Refine the protocol to minimize animal pain and distress among animals.

A.4.3.5. Inform ERB in case of any change in protocol or unexpected/adverse events.

A.4.3.6. Apply to ORIC-UOS for ERB approval before start of the research program (ORIC-UOS conducts ERB meeting in the last week of every month.).

### **Part B: Human Clinical Trials Policy**

The permission for clinical trials at University of Sargodha is beyond the scope of Ethical Review Board of Office of Research, Innovation and Commercialization (ERB, ORIC-UOS). Under Rule 3 and 7 of the Bio-Study Rules 2017 and sub-section (c) (ix) of section 7 of Drug Regulatory Authority of Pakistan Act, 2012, the DRAP is the only authority to give approval for such trials.

Therefore, no PI in any research program may carry out any clinical trial at UOS, in respect of any therapeutic good (particularly those with experience in healthcare, medical sciences and public health or related subject) unless the PI is in possession of a certificate / license issued by the DRAP. For more details please visit [dra.gov.pk](http://dra.gov.pk)

### **Part C: Ethical Policy for Social Sciences**

#### **C.1 Background**

Ethics is concerned with the conduct of human beings. All scientific activities, including those by the social scientists, are conducted with the participation of human beings or have an impact on human beings or on the wider society and environment. Therefore, it is essential that scientists' researchers understand ethical issues and the implications of their scientific work and act accordingly. For making ethical judgment, the social scientists may trust upon various standards of ethics, which could be

universal or specific to the culture(s) or localities. Indeed, it is essential that researchers share and discuss the ethical issues in their work and evolve collective standards of their own.

Self-regulation and ethics have been issues for debate within research more often in medicine than in social sciences. In Pakistan, Drug Regulatory Authority of Pakistan (DRAP) formulated a policy statement on ethical considerations involved in research on human subjects. However, the issue of ethics in social sciences, unlike in medical research, has been given no importance in this draft.

Although many social scientists have paid serious attention to the appropriate conduct of research but their personal experiences are not documented because in Pakistan there is no centralized body for social science research, however, many institutions have various guidelines or administrative orders for improving the quality of research but enough efforts have not been made to bring them together as comprehensive ethical guidelines. Besides, in the absence of such comprehensive guidelines, ethics are hardly there in the social science research. Hence, to address the issue, University of Sargodha formulated this policy draft for social sciences.

## C.2 Preamble

C.2.1. There has been a steady growth of research in the social sciences and a wide range of research topics and issues including those that have the potential to seriously invade the privacy and security of individuals are being studied. Methodologies employed for such research have also expanded in range and depth. There is a considerable increase in the types and numbers of individuals and institutions undertaking such research and those sponsoring and funding it.

C.2.2. While it is encouraging that social science research are getting the attention they deserve, the growth of research without social and ethical commitment could adversely affect the credibility of research, the autonomy of researchers, the quality of research and the rights of participants. In fact, there is a growing concern about indifference to ethics in some the social science research.

C.2.3. Social and ethical commitment and self-regulation are, therefore, imperative for all parties in research, namely, institutions undertaking research, researchers, funders/sponsors and those who publish material generated from research. Their individuals and joint efforts are needed in order to achieve consensus on a common framework for research, and to improve and strengthen the system and environment in which research is conducted.

C.2.4. This document contains ethical principles and guidelines formulated by ORIC-UOS. While it has immediate specific applicability for social science research at University of Sargodha.

C.2.5. The ethical principles and guidelines for social science research, given in this document, are developed for the follow purpose to:

C.2.5.1. sensitize and protect researchers who are often under pressures from various quarters forces while undertaking research,

C.2.5.2. preserve and promote the autonomy of research through the observance of ethics, ethical values and ethical self-regulation,

C.2.5.3. protect and promote the human rights of participants,

C.2.5.4. sensitize and encourage researchers and organizations to respect participants' rights and needs,

C.2.5.5. improve quality, legitimacy and credibility of social science research,

C.2.5.6. make ethics an integral part of the planning and methodology of social science research,

C.2.5.7. enable organizations and individuals to develop appropriate mechanisms for ethical self-regulation.

C.2.6 The ethical principles and the guidelines given in this draft do not, by themselves, resolve all ethical problems and dilemmas, which may confront researchers. For each dilemma and conflict they face, researchers may be required to balance the demands made by moral principles of research. The resolution of the dilemma may best be arrived at in concrete relation to the context and circumstances; it may involve a decision privileging one principle over another.

- C.2.7 The ethical guidelines given in this document may be refined through periodic reviews.

### **C.3 Ethical Principles for Research**

C.3.1. Four well-known moral principles constitute the basis for ethics in research. They are:

C.3.1.1. The Principle of Non-maleficence: Research must not cause harm to the participants in particular and to people in general.

C.3.1.2. The Principle of Beneficence: Research should also make a positive contribution towards the welfare of people.

C.3.1.3. The Principle of Autonomy: Research must respect and protect the rights and dignity of participants.

C.3.1.4. The Principle of Justice: The benefits and risks of research should be fairly distributed among people.

C.3.2. Ten general ethical principles, presently relevant for social science research are as follows:

C.3.2.1. Essentiality: For undertaking research it is necessary to make all possible efforts to get and give adequate consideration to existing literature/knowledge and its relevance, and the alternatives available on the subject issue under the study.

C.3.2.2. Maximization of public interest and of social justice: Research is a social activity, carried out for the benefit of society. It should be undertaken with the motive of maximization of public interest and social justice.

C.3.2.3. Knowledge, ability and commitment to do research: Sincere commitment to research in general and to the relevant subject in particular, and readiness to acquire adequate knowledge, ability and skill for undertaking particular research are essential prerequisites for good and ethical research.

C.3.2.4. Respect and protection of autonomy, rights and dignity of participants: Research involving participation of individuals must not only respect, but also protect the autonomy, the rights and the dignity of participants. The participation of individual(s) must be voluntary and based on informed consent.

C.3.2.5. Privacy, anonymity and confidentiality: All information and records provided by participants or obtained directly or indirectly on/about the participants are confidential. For revealing or sharing any information that may identify participants, permission of the participants is essential.

C.3.2.6. Precaution and risk minimization: All research carries some risk to the participants and to society. Taking adequate precautions and minimizing and mitigating risks is, therefore, essential.

C.3.2.7. Non-exploitation: Research must not unnecessarily consume the time of participants or make them incur undue loss of resources and income. It should not expose them to risks due to participation in the research. The relationship within the research team, including student and junior members, should be based on the principle of non-exploitation. Contribution of each member of the research team should be properly acknowledged and recognized.

C.3.2.8. Public domain: All persons and organizations connected to research should make adequate efforts to make public in appropriate manner and form, and at appropriate time, information on the research undertaken, and the relevant results and implications of completed research.

C.3.2.9. Accountability and transparency: The conduct of research must be fair, honest and transparent. It is desirable that institutions and researchers are amenable to social and financial review of their research by an appropriate and responsible social body. They should also make appropriate arrangements for the preservation of research records for a reasonable period of time.

C.3.2.10. Totality of responsibility: The responsibility for due observance of all principles of ethics and guidelines devolves on all those directly or indirectly connected with the research. They include institution(s) where the research is conducted, researcher(s), sponsors/funders and those who publish material generated from research.

## **C.4. Rights and Responsibilities of Researchers and Institutions**

### **C.4.1. Relationship between researchers and institutions**

C.4.1.1. Institutions have a responsibility to respect the autonomy of researchers and the ethical guide lines for research.

C.4.1.2. Institutions should create and maintain an environment with adequate support systems to enable researchers to follow ethical guidelines.

C.4.1.3. Institutions have a responsibility to take appropriate and adequate steps for protection against pressures inimical to the observance of ethical guidelines for research.

C.4.1.4. Protection and promotion of integrity in research

C.4.1.5. Researchers have a right, as well as a responsibility, to refrain from undertaking or continue undertaking any research that contravenes ethical guidelines, violates the integrity of research and or compromises their autonomy in research, including design methodology, analysis and interpretation of findings and publication. If they feel that their rights are being violated, or that the study is unethical, they should make all possible efforts at making corrections. In the event of failure of remedial measures, they should exercise their right to terminate the study or to opt out of it.

C.4.1.6. Researchers should undertake only such research that according to their understanding will be useful to society or for the furtherance of knowledge on the subject.

C.4.1.7. Researchers should not undertake secret or classified research, any secret assignment under the garb of research nor research whose findings are to be kept confidential. Researchers have a right as well as responsibility to make all necessary efforts to bring the research and its findings to the public domain in an appropriate manner.

C.4.1.8. Researchers have a responsibility towards the interests of those involved in or affected by their own work. They should make reasonable efforts to anticipate and to guard against possible misuse and undesirable or harmful consequences of research. Researchers should take reasonable corrective steps when they come across misuse or misrepresentation of their work.

C.4.1.9. Researchers should ensure that there is honesty and transparency at every stage of research as these are indispensable for good and ethical research.

C.4.1.10. Researchers should ensure that there is no fabrication, falsification, plagiarism or other unethical practices at any stage of the research; and that the findings of research are reported accurately and truthfully. They should also ensure protection of historical records and preservation of study material.

C.4.1.11. All parties involved in research and dissemination of its findings should inculcate and practice sensitivity and respect for culture and other aspects of the group or community studied.

C.4.1.12. Researchers must ensure respect, protection and promotion of rights of participants. Criteria for the selection of participants of research should be fair, besides being scientific.

C.4.1.13. Peer review should be an essential part of every research endeavor or initiative, and should be sought at various stages of research.

### **C.4.2. Relationship among researchers**

C.4.2.1. Principal Researchers are responsible for the ethical conduct of research by all juniors, assistants, students and trainees. At the same time juniors, assistants, students and trainees have an equal responsibility for ethical conduct and observance of ethical guidelines.

C.4.2.2. The juniors, assistants, students and trainees have a right to receive, and principal researchers have a responsibility to provide impart, proper training and guidance regarding all aspects of research, including ethical conduct. The principal researchers should delegate to the juniors, assistants, students and trainees only those responsibilities that they are reasonably capable of performing on the basis of their education, training or experience, either independently or under supervision.

C.4.2.3. No researcher should engage, personally or professionally, in discriminatory, harmful or exploitative practices, or any perceived form of harassment. Nor should the researcher impose views/beliefs on or try to seek personal, sexual or economic gain from anybody, including other researchers, juniors, assistants, trainees and students.

C.4.2.4. Researchers should not deceive or coerce other researchers, including juniors, assistants, trainees and students into serving as research subjects participants, nor use them as cheap labour.

C.4.2.5. Researchers should be co-operative, responsive, honest and respectful about the interest, opinion view, capability and work of other researchers, including juniors, assistants, trainees and students.

C.4.2.6. While working in the team on a research project, at the outset, all members of the team have a right to know and document all aspects of research including ownership of the data. This procedure also applies to the participation of students doing their own research in a project team. Students should have the right to opt out of a research project without having to face adverse consequences.

C.4.2.7. In addition to researchers, other individuals such as administrative staff of the organizations conducting research or that of the research setting, etc. may be associated, in some way, with the research. All of them should be briefed on ethical issues and the guidelines, including the need to protect the rights of participants and the confidentiality of identifiable data.

#### **C.5. Data Sharing**

C.5.1. Sharing of data should be done in a form, which is in consonance with the interests and rights of the participants. Researchers who have conducted the study and the institution where the study is conducted are fully responsible for ensuring the protection and promotion of the interests and rights of participants while sharing or making public available data in any form.

C.5.2. The researchers involved in a particular research and the institution where the research is conducted, have a joint right over and ownership of all raw data, including those identifying the participants. Along with this right, they are fully responsible for ensuring that when such data, including those that identify participants, are shared with other researchers, all necessary measures are taken and followed to maintain confidentiality, by those researchers with whom data are shared.

C.5.3. Data that do not identify participants and their whereabouts, in the form of anonymous or abstracted facts, may be commonly shared, if necessary even before the publication of the study, among researchers, peer reviewers, or may even be made available to the public.

C.5.4. As far as possible, researchers and institutions should ensure that relevant summary findings of the research are taken back to the research participants in a form and manner that they can understand. In this process they should take into consideration the possible social harm that such information might cause to the research participants.

#### **C.6. Reporting and publication of research**

C.6.1. Reporting of research and its results is the right as well as duty of every researcher and institution that conducted the study. When they agree to delegate this responsibility to funder sponsor or any other individual organizations, they should do it only if they have received mutually agreed and expressed commitment to publish disseminate the results report within a stipulated period.

C.6.2. The results should be reported irrespective of whether they support or contradict the expected outcome(s). Researchers should also disclose in their publications, the source(s) of funding and sponsors, if any, unless there is a compelling reason not to do so. The findings should also explain the methodology used, as well as how, in actual practice the ethical guidelines were followed, ethical dilemmas encountered and resolved, etc.

C.6.3. Authorship, and its sequence in case of more than one author, should be based on the quantum of contribution made in terms of ideas, conceptualization, and actual performance of the research, analysis and writing of the report or any publication based on the research. Authorship and its sequence should not be based on the status of the individual in the institution or elsewhere.

C.6.4. All other individuals not satisfying the criteria for authorship but whose contribution made the conduct and completion of research or publication possible should be properly acknowledged.

C.6.5. A student should be listed as principal or first author on any multiple authored publication that substantially derives from the student's dissertation or thesis.

C.6.6. Appropriate credits should be given where data or information from other studies or publications is quoted or otherwise included.

C.6.7. Researchers should avoid dissemination of the results of research before they are peer-reviewed or published in appropriate journals. When such results are disseminated through the popular media, extra care should be taken to ensure that even those media persons not specifically trained in social science, are able to comprehend the limitations and implications of research results. Journalists and the media that publish these research results have a responsibility to do so truthfully and honestly.

C.6.8. When institutions and/or researchers publish a report or any other documents based on research, they should make adequate efforts to ensure their easy availability and accessibility.

### C.7. Rights of Participants

C.7.1. Participants should be seen as indispensable and worthy partners in research. Researchers should recognize and ensure that respect, protection and promotion of the rights of participants are made intrinsic to every stage and level of research undertaken by them.

C.7.2. Research undertaken should not adversely affect the physical, social and/or psychological well-being of the participants. The risks and benefits of the research to the prospective participants must be fully considered; research that could lead to unnecessary physical harm or mental distress should not be undertaken. Researchers should make adequate provision for the comfort of the participants as well as for protection against all possible and potential risks.

C.7.3. The criteria for selecting research participants should be fair. The easy accessibility of the participants alone does not constitute a fair criterion for their inclusion in research as that will make them bear an unfair share of the direct burden of participation. At the same time, it should be borne in mind that no particular group or groups should be unfairly excluded from research, as that could well exclude them from the social understanding of their situation, and can also unfairly exclude them from direct, indirect or potential benefits of research.

C.7.4. Unless consent on mutually beneficial arrangement is obtained, institution and student should not use community or research setting as a constant and long-term resource for data collection for curricular research or training in an institution.

C.7.5. The relevant social, cultural and historical background of the participants should be taken into consideration and given appropriate importance in the planning and conduct of research.

C.7.6. Researchers should not impede the autonomy of participants by resorting to coercion, promise of unrealistic benefits or inducement. Participants and communities should not be exploited and the time taken for data collection from these sources should not be inordinately long.

C.7.7. Participants are autonomous agents and must have the right to choose whether or not to be part of the research. They also have the right to change their decision or withdraw the informed consent given earlier, at any stage of the research without assigning any reason.



### C.8. Informed consent

C.8.1. Voluntary and informed participation of individuals or communities is necessary for research. Their participation should be based on informed consent; the greater the risk to participants, the greater is the need for it. Informed consent is essential to protect the participants, not the researchers and institutions.

C.8.2. Consent for participation in research is voluntary and informed only if it is given without any direct/indirect coercion and inducement, and is based on adequate briefing given to the participants about the details of the project. The briefing should be given both verbally and in writing in a manner and language that the participants know and understand. It is essential that the participants are furnished with written information giving adequate details of the research. Researchers have a duty to ensure that the participants comprehend the information given.

C.8.3. The verbal and written briefing of the participants, in the manner and language they understand, should include the following details:

C.8.3.1. Purpose of research: The goal and objective of research should be presented in simple local language.

C.8.3.2. Identity of the researchers: Name and address of researchers, the institutions and ethical review board (oric.erb@uos.edu.pk).

C.8.3.3. Identity of others associated with the research: Names and address of chief consultant(s), funders or sponsors, etc., if any.

C.8.3.4. Selection as unit of analysis: Reasons or method for selecting the particular locality, community and or any other setting; and individuals or groups within that, for participation in the study.

C.8.3.5. Harms and benefits: The possible, anticipated and potential benefits and/or harms (direct/indirect, immediate long term) of research and their participation.

C.8.3.6. Privacy, anonymity and confidentiality: Information on the extent of privacy, anonymity and confidentiality that will be provided to participants. This must include, at least, the firm commitment that privacy, anonymity and confidentiality of data identifying participants will be strictly maintained. In case the data identifying participants is to be shared with or made available to individuals organisations not in the research team, information about them (their names, addresses etc.) should be provided.

C.8.3.7. Future use of information: The future possible use of the information and data obtained, including use as a database, archival research or recordings for educational purposes, as well as possible use in unanticipated circumstances, like its use as secondary data should be made known to participants. Such use should be only of anonymous or abstracted information and data, and should in no way conflict with or violate the maintenance of privacy, anonymity and confidentiality of information identifying participants.

C.8.3.8. Right not to participate and withdraw: Participants should also be informed about their right to decline participation outright, or to withdraw consent given at any stage of the research, without undesirable consequences, penalty and so on. The participants should be informed that they are free to object to and refuse to allow the use of data gathering devices, such as camera, audio recorder, etc.

C.8.3.9. Right to get help: The researcher should try and get all the possible help that the participants might require. The researcher also has a responsibility to help the participant(s) in cases of adverse consequence or retaliation against the participants by any agency due to their participation in the research. Information, which may contribute to the improvement of quality of life of the participants, should be passed on to concerned persons, officials or the agencies.

C.8.4. If the data collection from the participants is done in more than one sitting or contact and there is a long time period between the sittings contacts, informed consent should be sought each time.

C.8.5. In some cases, revealing the identity of the group of participants, groups, village(s), neighborhoods, etc., in the report could have an adverse effect on members residents there. Sometimes the researchers are not able to anticipate the possibility of adverse effect at the time of conducting research and publishing reports. Researchers should take care that the study communities and or localities are not identified or made identifiable in the report unless there are strong reasons for doing so. If the researchers and institution intend to identify them in the report, participants' informed consent allowing such disclosure should be obtained.

C.8.6. Non-disclosure of all information: In some specific situations and research issues, it is not practically possible to carry out research if all the details of the study are revealed to participants. This may be due to genuine difficulties in accessing participants, possibility of affecting change in behavior or responses, etc., when the details are revealed. Thus, it is not possible to obtain the informed consent in the same way as described above. In such cases, the following should be done:

C.8.6.1. A detailed justification for not revealing all necessary information must be provided in the research proposal and methodology and should be subject to peer and ethical reviews. Only on approval in peer review, should such research be undertaken.

C.8.6.2. The participants' right to privacy, anonymity and confidentiality gains additional importance in such cases as they do not know fully the real purpose or objective for which they provide information.

C.8.6.3. Even if through a peer review process it is accepted that some of the information about the study need not be revealed, participants must be provided the rest of the information. Under no circumstance should the researchers withhold the information regarding physical risks, discomfort, unpleasant emotional experiences, or any such aspect that would be a major factor in taking the decision to participate.

C.8.6.4. As far as possible, debriefing should be done with the participants after completion of the research, giving reasons for not providing full information. As a part of the debriefing process, it might often be necessary to provide services such as counselling and referral.

C.8.7. Consent where gatekeepers are involved: In some situations there may be a need to obtain permission of the 'gatekeeper' to access the participants for research. The following care must be taken in such situation:

C.8.7.1. Permission obtained from the gatekeeper must not be substituted for the need to take separate and full informed consent of the participants. The rights of participants in such situation are the same as in all other cases and need determined protection.

C.8.7.2. For obtaining permission of the gatekeeper, no pre-condition demanding sharing of information or data obtained should be accepted.

C.8.7.3. In the process of research or data collection, adequate care should be taken to ensure that the relationship between the gatekeeper and the participants is not jeopardized.

C.8.7.4. Greater care should also be exercised in protecting participants and their interest while publishing and disseminating results of research.

C.8.8. Informed consent in the case of research with children (below the age of fourteen years) should be sought from the parents/guardians as well as the children themselves. Where the parents/guardians consent to participate, and the children have declined, the rights of the children should be respected. The consent from parents' guardians should be waived only in special cases such as child abuse. Peer review is indispensable and the protection of children especially from the immediate consequences of research gains prime importance.

### **C.9. Privacy, anonymity and confidentiality**

C.9.1. Anonymity and confidentiality are the inherent of all participants. The right whether to remain anonymous or to be identified lies with the participant. It becomes all the more important in research projects dealing with stigmatized, sensitive or personal issues and information.

C.9.2. Possibility of the breach of confidentiality and anonymity should be anticipated, addressed and explained to the participants.

C.9.3. Appropriate methods should be devised to ensure privacy at the time of data collection. These methods are also essential to ensure the validity of data.

C.9.4. The obligation to maintain privacy, anonymity and confidentiality extends to the entire research team, other researchers in the institution, the administrative staff, and all those (from or outside the institution) not directly associated with the research who may possibly have access to the information.

C.9.5. While deciding on what information should be regarded as private or confidential, the perspective of the participants on the matter should also be given adequate importance.

C.9.6. Researchers should maintain appropriate anonymity and confidentiality of information in creating, storing, accessing, transferring and disposing of records under their control, whether these are written, automated or in any other medium.

### **C.10. Rights and Responsibilities of Peer Reviewers/Referees**

C.10.1. The purpose of peer review and refereeing is to improve and advance research, and facilitate observance of ethics. Researchers should be encouraged to make themselves available for such work and subject their own work to such a process.

C.10.2. Researchers should accept the role and duties of peer reviewer and referee only for the research in the fields they have adequate knowledge and expertise. They must also be fully aware of the ethical aspects of research and publication.

C.10.3. When called upon to act as peer reviewer and referee, researchers have an ethical duty to undertake it objectively, impartially and constructively.

C.10.4. If the peer reviewers' referees have any actual or potential conflicts of personal or professional interest with the work under review, they should either disclose the same or decline to review the work concerned. In such situations, their role should be decided on the basis of the type and severity of the conflict of interest.

C.10.5. When malpractice in research or violation of ethics are discovered, the researcher/peer reviewer has the ethical responsibility to take appropriate steps to report it.

### **C.11. Rights and Responsibilities of Editors and Publishers**

C.11.1. Before accepting the research based articles for publication, editors and publishers have the right and duty to ensure that such material is, duly reviewed by referees deemed by the publication to have the relevant expertise and knowledge in the particular field.

C.11.2. As social scientists and as journalists, editors are responsible for ensuring that the editorial policy and instructions to authors reflect the ethical concerns and the guidelines for research. Referees and editorial staff should be made aware of the editorial policy including the need for articles/papers to adhere to prescribed ethical norms. Contributors should be informed that the material submitted for publication should carry appropriate credits. Fabricated, falsified or plagiarized information should not be entertained.

C.11.3. If, after the publication of material, any doubt is raised about its ethical status or ethical conduct of the study on which the said material is based, editors should take appropriate corrective steps.

**C.12. Rights and Responsibilities of Funders and Sponsors**

C.12.1. Funders and sponsors have the right to expect that researchers and institutions report the progress of their work and submit a copy of the final report on results of research as per the schedule agreed in advance.

C.12.2. Funders and sponsors have a right to get a copy, if any, of the ethical guidelines for research followed by the researchers and institutions. They also have a right to expect that the research proposal submitted for funding or sponsorship by researchers and institution contains necessary information on ethical issues in and ethical conduct of the particular research proposed.

C.12.3. The funders and sponsors of research should respect the ethical guidelines for research and should not expect researchers and institutions to undertake research or conduct it in any way contrary to the ethical guidelines.

C.12.4. Where sponsors and funders also act, directly or indirectly, as gatekeepers and control access to the participants, researchers should not devolve onto the gatekeeper their responsibility to obtain separate and full informed consent from participants and protect all rights of the participants.

**C.13. Organizational Mechanism for Ethics**

While ethical guidelines are not administrative rules and the conscience of researchers may be the best guide for ensuring that ethics are followed in research and for resolving ethical dilemmas. However, conduct of research cannot be completely left to the discretion of individual researchers. Hence before conducting research in social sciences at University of Sargodha, the approval from ethical review board is necessary. For ethical approvals or any complaint please contact with ORIC-UOS or directly report on [oric.erb@uos.edu.pk](mailto:oric.erb@uos.edu.pk)