

Code of Ethics

1.1 CODE OF ETHICS to check malpractices and Plagiarism in research

1.1.1 Preamble

The purpose of this set of guidelines is to provide a positively oriented set of practical suggestions for maintaining integrity in research. Observance of these guidelines will help an investigator avoid departures from accepted ethical research practice and prevent those most serious deviations that constitute research misconduct. Research misconduct is defined as fabrication, falsification, or plagiarism including misrepresentation of credentials in proposing, performing, or reviewing research or in reporting research results.

1.1.2 Plagiarism

Authors who present the words, data, or ideas of others with the implication that they own the same, without attribution in a form appropriate for the medium of presentation, are committing theft of intellectual property and may be guilty of plagiarism and thus of research misconduct. This statement applies to reviews and to methodological and background/historical sections of research papers as well as to original research results or interpretations. If there is a word-for-word copying beyond a short phrase or six or seven words of someone else's text, that section should be enclosed in quotation marks or indented and referenced, at the location in the manuscript of the copied material, to the original source. The same rules apply to grant applications and proposals, to clinical research protocols, and to student papers submitted for academic credit. Not only does plagiarism violate the standard code of conduct governing all researchers, but in many cases it could constitute an infraction of the law by infringing on a copyright held by the original author or publisher.

The work of others should be cited or credited, whether published or unpublished and whether it had been written work, an oral presentation, or material on a website. Each journal or publisher may specify the particular form of appropriate citation. One need not provide citations, however, in the case of well-established concepts that may be found in common textbooks or in the case of phrases which describe a commonly-used methodology. Special rules have been developed for citing electronic information.

1.1.3 Use and Misuse of Data

Research integrity requires not only that reported conclusions are based on accurately recorded data or observations but that all relevant observations are reported. It is considered a breach of research integrity to fail to report data that contradict or merely fail to support the reported conclusions, including the purposeful withholding of information about confounding factors. If some data should be disregarded for a stated reason, confirmed by an approved statistical test for neglecting outliers, the reason should be stated in the published accounts. A large background of

negative results must be reported. Any intentional or reckless disregard for the truth in reporting observations may be considered to be an act of research misconduct.

1.1.4 Ownership of and Access to Data

Research data obtained in studies performed at the institute by employees of the institute are not the property of the researcher who generated or observed them or even of the principal investigator of the research group. They belong to the institute, which can be held accountable for the integrity of the data even if the researchers have left the institute. Another reason for the institute's claim to ownership of research data is that the institute, not the individual researcher, is the grantee of sponsored research awards. Reasonable access to data, however, should normally not be denied to any member of the research group in which the data were collected. If there is any possibility that a copyright or patent application might emerge from the group project, a written agreement within the group should specify the rights, if any, of each member of the group to the intellectual property. A researcher who has made a finding which may be patentable should file an Invention Disclosure with the Office of Technology Management.

A principal investigator who leaves the institute is entitled to make a copy of data to take to another institution so as to be able to continue the research or, in some cases, to take the original data, with a written agreement to make them available to the institute on request within a stated time period. A formal Agreement on Disposition of Research Data should be negotiated in such cases through the Office of Research. Each student, postdoctoral fellow, or other investigators in a group project should come to an understanding with the research director or principal investigator, preferably in writing, about which parts of the project he or she might continue to explore after leaving the research group. Such an understanding should specify the extent to which a copy of research data may be taken. Co-investigators at another institution are entitled to access the data which they helped to obtain.

Since the scientific enterprise may be a cooperative endeavour encompassing many persons who now or in the future might pursue related research interests, and since it is in the interest of all to rely on the contributions and findings of others, every investigator has an obligation to the general scientific community to cooperate by sharing of data. Other virtues of sharing data include the facilitation of independent confirmation or refutation of reported outcomes. It is generally accepted that the data underlying a research publication should be made available to other responsible investigators upon request after the research results have been published or accepted for publication.

1.2 Authorship and Other Publication Issues

Publication of research results is important as a means of communicating to the scholarly world so that readers may be informed of research results and other researchers may build on the reported findings. In fact, it is an ethical obligation for an investigator at the institute to make research findings accessible, in a manner consistent with the relevant standards of publication. The reported data and methods should be sufficiently detailed so that other researchers could attempt to replicate the results. Publication should be timely but should not be hastened unduly if premature publication involves a risk of not subjecting all results to adequate internal confirmation or of not considering adequately all possible interpretations.

A commercial sponsor of a research project may not have a veto over a decision to publish, but a delay of publication for an agreed period, not to exceed six months, may be allowed in order to permit the filing of a patent application.

1.2.1. Criteria for Authorship

Since academic work is informed by a multitude of sources offering concepts and information, it is essential to emphasize rightful acknowledgment in the presentation of ideas and the publication of manuscripts. Authorship should be awarded only to those persons who have made an original and significant contribution to the conceptualization, design, execution, and interpretation of the published work. Individuals who have made smaller contributions by for instance giving advice, performing analyses or providing subject material, or who have supported the research in some other way, should also be acknowledged. The principal author should determine whether or not these individuals should be included as authors. Sometimes written permission has to be obtained for acknowledgment in the published work and even the format thereof is prescribed by the party concerned.

In the case of co-authorship, questions arise as to the criteria for inclusion as an author, the ability of each author to evaluate all aspects of the study and the sequence of the list of authors. Authors should discuss these questions openly and should make appointments before undertaking a co-author project. The author submitting the work, or the principal author, is responsible for coordinating the completion and submission of the work and for ensuring that all the contributions and all the collaborators are given proper acknowledgment. All authors should approve the final version of the manuscript and should be prepared to accept responsibility for the work in public. Each author or co-author is responsible for the compilation, revision and verification of those parts of the manuscript, publication or presentation representing his/her contribution. All co-authors are entitled to making their own copies thereof, including figures and attached documents.

In factual or scientific reports, authors should go out of their way to quote applicable data, including those data not supporting the hypothesis proposed. It is the responsibility of the author(s) to be au fait with other appropriate publications and to quote from them.

It is unethical, and harmful to the academy, to present as one's own the work of others, whether in part or in full, to fabricate research results or to omit or change information.

Authors who wish to quote information obtained at a personal level or from unpublished written material should obtain written permission from the source.

It is inappropriate and unacceptable to submit extracts from research, or reports on the same research, to more than one publisher, unless such action has been approved by the editors of each publication or multiple submissions is the acceptable standard practice in the specific discipline or field. In the complete report on the work in question, reference should be made to preliminary extracts from work that has already been published.

1.3 Order of Authors

Customs regarding the order in which co-authors' name(s) appear vary with the discipline. Whatever the discipline, it is important that all co-authors understand the basis for assigning an order of names and agree in advance to the assignments.

A corresponding, or senior author (usually the first or last of the listed names in a multi-authored manuscript) should be designated for every paper, who will be responsible for communicating with the publisher or editor, for informing all co-authors of the status of review and publication, and for ensuring that all listed authors have approved the submitted version of the manuscript. This person has a greater responsibility than other co-authors to vouch for the integrity of the research report and should make every effort to understand and defend every element of the reported research.

1.4 Self-citations

In citing one's own unpublished work, an author must be careful not to imply an unwarranted status of a manuscript. A paper should not be listed as submitted, in anticipation of expected submission. A paper should not be listed as accepted for publication or in the press unless the author has received galley proof or page proof or has received a letter from an editor or publisher stating that publication has been approved, subject perhaps only to copy-editing.

1.5 Duplicate Publication

Researchers should not publish the same article in two different places without very good reason to do so unless the appropriate citation is made in the later publication to the earlier one, and unless the editor is explicitly informed. The same rule applies to abstracts. If there is an unexplained duplication of publication without citation, sometimes referred to as self-plagiarism, a reader may be deceived as to the amount of original research data.

It is improper in most fields to allow the same manuscript to be under review by more than one journal at the same time. Very often journals specify that a submitted work should not have been published or submitted for publication elsewhere, and some journals require that a submitted manuscript be accompanied by a statement to that effect.

An author should not divide a research paper that is a self-contained integral whole into a number of smaller papers merely for the sake of expanding the number of items in the author's bibliography.

1.6 Conflict of Interest

Academic members of staff may not allow other professional or outside activities to distract their attention from their primary responsibilities towards the institute. They should maintain a significant and professionally acceptable presence on campus during each semester in which they are on active duty. Holidays and leave should be in accordance with the institute's regulations.

They should create an atmosphere of academic freedom by promoting the open and timely disclosure of the results of their academic activities, by ensuring that their advice to students and postdoctoral associates is not influenced by personal interests, and by disclosing external activities that could affect the free flow of academic information between themselves, students and colleagues.

Researchers may use institute resources, including facilities, staff, equipment, information or confidential information as part of contract work, provided that the institute is compensated in terms of the provisions of the Rules for Contract Work of the institute. Researchers may not use institute resources for any purpose other than purposes related to tuition, research or service by

the institute, unless prior permission has been obtained by the head of the department and/or the dean, as provided by the institute's regulations.

Researchers should disclose in good time all potentially patentable inventions that have been discovered or created in the course and within the ambit of their service to the institute. Ownership of such inventions should be dealt with in accordance with the policy of institute. The inventors will, together with the institute, share in the benefits or royalties earned in accordance with the provisions of the institute's Intellectual Property Policy.

Researchers should inform the institute whether they (or members of their families) have consultation agreements or work in an outside institution, before the following proposed arrangements or agreements between such institutions and the institute will be approved: a) gifts; b) funded projects; c) technology licensing agreements; and d) allocations.

In such cases, formal institute permission will be required before the proposed arrangements or agreements can proceed.

Institute researchers should not allow their names to be used as "ghost" authors of manuscripts written or provided by commercial sponsors.

Faculty may be allowed to engage in outside professional activities such as consulting or service on a scientific advisory board, but approval of each such activity from the academic supervisor must be obtained in advance. In no case are institute facilities to be used in the conduct of an outside activity, and the institute name and logo may be used by outside entities only with permission of designated institute officers. Research performed for an external entity should be conducted by means of a sponsored research contract and not by way of consulting. In some schools a contract for consulting must be approved in advance, to ensure, among other things, that remuneration is related to specific services and that legitimate intellectual property rights of the institute are not compromised.

1.7 Obligation to Report

1.7.1 Reporting Suspected Misconduct

Reporting suspected research misconduct is a shared and serious responsibility of all members of the academic community. Any person who suspects research misconduct has an obligation to report the allegation to the HoD of the department in which the suspected misconduct occurred or to the Dean of Academic Research. Allegations are handled under procedures described in the institute's Policy. All reports are treated confidentially to the extent possible, and no adverse action will be taken, either directly or indirectly, against a person who makes such an allegation in good faith.

1.7.2 Correction of Errors

If a finding of error, either intentional or inadvertent, or of plagiarism should be made subsequent to publication, the investigator has an obligation to submit a correction or retraction in a form specified by the editor or publisher.

1.8 Responsibilities of a Research Investigator

An investigator who leads a research group has leadership and supervisory responsibilities with respect to the research performed by members of the group. A principal investigator must not only put together the research group but also arrange for the assembly of an adequate financial and administrative structure to support the research. A supervisor not only provides guidance and advice to individual members of the group in the responsible conduct of the research but also has ultimate responsibility for the scientific integrity of the whole research project. He or she should thus take all reasonable steps to check the details of experimental procedures and the validity of the data or observations reported by members of the group, including periodic reviews of primary data in addition to summary tables, graphs, and oral reports prepared by members of the group.

An investigator serves not only as a research manager with respect to members of the research group but also as a mentor responsible for the intellectual and professional development of graduate students, postdoctoral fellows, and junior faculty in the group, including awareness and sensitivity to issues in research ethics.

A researcher should be open to collaborative work with investigators having different but complementary skills at the institute.

1.9 Responsibilities to Funding Agencies

An investigator should be aware that the same standards of accuracy and integrity pertain to grant applications and proposals as to manuscripts submitted for publication. Reporting of results of experiments not yet performed as evidence in support of the proposed research funding, for example, is considered to be a fabrication and is subject to a finding of research misconduct, even if the proposal is subsequently rejected for funding or is withdrawn before full consideration for funding is completed. The same definition of plagiarism applies to an application or proposal, including background and methodological sections, as to a publication.

An investigator must submit progress and final research reports to a sponsor at times specified in the award. He or she must authorize expenditures in a manner consistent with the approved budget and should review financial reports carefully. Investigators, who enter into agreements with commercial sponsors of research, as negotiated by the Office of Research, should familiarize themselves with the special terms of such agreements, such as those, for example, concerning reporting of results, the disclosure of inventions, and confidentiality. Failure to comply with the provisions might sometimes constitute a breach of contract or might compromise the institute's claims to intellectual property.

1.10 Resources in support of Research

(a) Institute Research and Development Fund

The principle of administering the allocation of all Research funding in the Institute is that it is an investment to create intellectual resources. It will help economic upliftment and intended to maximise the scientific outcomes that the Institute expects to result from staff and student Research.

(b) Seed money

The institute allocate research fund for all departments to spend the budget allocated to them for consumables, non-consumables and R&D.

(c) External contracts/external Research provisions and obligations

The institute has signed MOUs with national and international organizations in order to promote advanced in different frontier areas.

Research Planning

Each faculty is required to develop and implement his or her own Research plan that is in tune with the Institute Research Strategy and the Institute Strategic Plan.

Evaluation and Monitoring of Performance

(d) Staff are required to supply full and accurate details of their Research outputs as required by their supervisor. This shall be done twice annually.

(e) The Research Office will publish the list of staff and student publications in the categories outlined according to the publication guidelines.

1.11 Centralized Common Research Facility

I. High quality and competitive research which may include involvement of Indian & internationally recognised researchers for interdisciplinary research.

II. Consistent with the objectives of the institute.

III. Expected to deliver outcomes that are novel, non-obvious and patentable.

IV. Aligned to the priorities given by Research funders and organizations.

V. Substantial funding is to be generated for significant Research outputs and the resources are to be allocated frugally.

Minutes of Institutional Ethics Committee



INSTITUTIONAL ETHICS COMMITTEE

Approval of the project by Ethics Committee

Date: 13.02.2021

Prof. Sarathchandra G.
Chairman
Prof. S. Hemalatha
Co-Chairman
Alhaj V.N.A. Jalal
Member (Legal Expert)
Dr. R.Karthikeyan
Member (Basic Scientist)
Dr. Soumen Bera
Member (Basic Scientist)
Dr. Khurshid Alam
Member (Basic Scientist)
Dr. Shazia Jamal
Member (Basic Scientist)
Mr. MD. Sahidul Islam
Member (Educated Person from
the Community)
Dr. Hasan M -
Member (Clinician)
Muhammed Jamsheer T.P
Member (Social Scientist)
Dr. Neesar Ahmed
Member Secretary

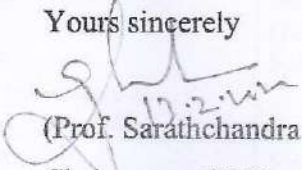
To
Dr. Karthikeyan Ramalingam
Associate Professor,
School of Life Sciences
BSAIS&T, Chennai-48

SUBJECT: Approval of the project by Ethics Committee-reg
Ref. no. BSAIST:REG-OFF:2021/02

Dear Dr. Karthikeyan Ramalingam,

The Institutional Ethics Committee reviewed and discussed your project entitled "Anti-caries agent efficacy and mechanisms on Biofilm forming cariogenic microorganisms" on 13.02.2021. The committee approves the project to be conducted in its present form. The Institutional Ethics Committee need to be informed about the progress of the study, any serious adverse events occurring in the course of the study, any changes in the protocol and a copy of the final report should be submitted on completion of the study.

Yours sincerely

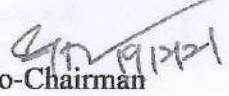

(Prof. Sarathchandra G.)

Chairperson (IEC)


DEAN, Faculty of Basic Sciences

Madras Veterinary College Campus,

TANUVAS, Vepery, Chennai-600 007 TN


Co-Chairman

DEAN
School of Life Sciences
B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Vandalur, Chennai-600 048.


Secretary Member

Received original
Sithicali



B.S. Abdur Rehman

Crescent

Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956
GST Road, Vandalur, Chennai 600 048

INSTITUTIONAL ETHICS COMMITTEE

The following members of the ethics committee were present at the meeting held on 13.02.2021 at conference hall, School of Life Sciences, BSAIST, Chennai-48.

	Name	Role in IEC	Opinion [Approve/unapproved]	Signature
1	Prof. Sarathchandra G. Dean Faculty of Basic Sciences Madras Veterinary College Campus, TANUVAS, Vepery, Chennai-600 007	Chairman	Approved	 13.2.21
2	Prof. Hemalatha S Dean School of Life Sciences BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Co-Chairman	Approved	 13/2/21
3	Alhaj V.N.A. Jalal Senior General Manager BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Member (Legal Expert)	Approved	VNA:
4	Dr. Kartikeyan R Associate Prof. School of Life Sciences BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Member (Basic Scientist)	Approved	
5	Dr. SoumenBera Assistant Professor School of Life Sciences BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Member (Basic Scientist)	Approved	
6	Dr. KhurshidAlam Khan Associate Professor School of Life Sciences BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Member (Basic Scientist)	Approved	
7	Dr. Mr. MuhammedJamsheer T.P Assistant Professor School of Social Sciences BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Member (Social Scientist)	Approved.	
8	Dr. Hasan M Crescent Health Centre BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Member (Clinician)		 13/2/2021



B.S. Abdur Rahman

Crescent

Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956
GST Road, Vandalur, Chennai 600 048

INSTITUTIONAL ETHICS COMMITTEE

9	Dr. Shazia Jamal Assistant Professor School of Life Sciences BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Member (Basic Scientist)	Approved	Sawal 13/2/2021
10	Dr. MD. Sahidul Islam Associate Professor English Department BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Member (Educated Person from the community)	Approved	M/S 13/2/2021
11	Dr. Neesar Ahmed Assistant Professor School of Life Sciences BSA Crescent Institute of Science & Technology, Vandalur, Chennai-48	Member Secretary	Approved	Neesar Ahmed 13/2/2021

CHAIRMAN

B. S. ABDUR RAHMAN UNIVERSITY, VANDALUR, CHENNAI - 600 048.

BSAU:REG-OFF:2015

DATE: 16.09.2015

CIRCULAR

I am happy to inform that the Institutional Ethics Committee (IEC) is constituted at our University to monitor the research activities involving human subject. The Institutional Ethics Committee (IEC) meeting will be convened once in every six months. The tentative date and time for the first meeting, fixed by the member of the (IEC) is on 18.09.2015 at 3.00 p.m. in the 7th Floor of the Conference Hall of the School of Life Sciences.

[Handwritten Signature]
REGISTRAR *16/9*

To

All HoDs and Deans

Copy to the Members of the Committee

Copy to Dean (Academic Research)

Copy to Administrative Office & IEC file

Copy submitted to Vice Chancellor & Director (Admissions)

[Handwritten Signature]
18/9/15

DEAN
SCHOOL OF LIFE SCIENCES
B.S. ABDUR RAHMAN UNIVERSITY,
VANDALUR, CHENNAI - 600 048

**B. S. Abdur Rahman University,
School of Life Sciences**

28.08.2015

Sub: Constitution of Institute Ethics Committee (Human Studies)-reg.

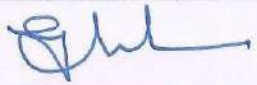

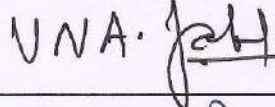
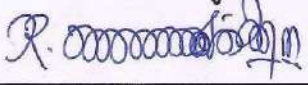
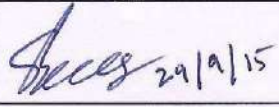
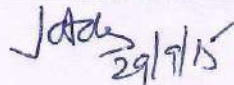
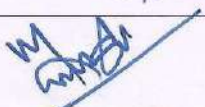
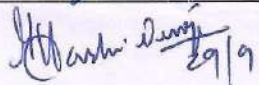
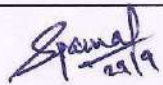
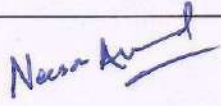
S.No	Name of the Member	Designation	Department	Letter No. Reg. BSAU	Receiver Signature
1	Alhaj V.N.A. Jalal,	Director (Admissions)	Director (Admissions)	43	<i>V. Jalal</i> 28/8/15
2	Dr. (Mrs) A. Mohamed Umar Uthuman Begum	Medical Officer	Medical Hall	39	FOR. SH: R. Noof 22/8/15
3	Mr. MD Mainuddin,	Assistant Professor,	Sociology	42	For MO
4	Dr. MD. Sahidul Islam	Assistant Professor	Department of English	44	FOR 28/8/15
5	Dr. Hemalatha S	Professor & Dean	School of Life Sciences	45	SH
6	Dr. Karthikeyan .R	Associate Professor	School of Life Sciences	37	R. Karthikeyan
7	Dr. Neesar Ahmed	Assistant Professor	School of Life Sciences	38	Neesar Ahmed
8	Dr. Soumen Bera	Assistant Professor	School of Life Sciences	41	Sheeja 28/8/15
9	Dr. Khurshid Alam Khan	Assistant Professor	School of Life Sciences	40	K. Khan

B. S. Abdur Rahman University, Vandalur, Chennai-600 0048.
School of Life Sciences

Date: 29.09.2015

ATTENDANCE

Second Institutional Ethics Committee (IEC) Meeting B S Abdur Rahman University, Chennai-48

S.No	Name	Designation	Signature
1	Prof. Sarath Chandra	Chairman	
2	Prof. Hemalatha S	Co-Chairman	
3	Alhaj V.N.A. Jalal	Member (Legal Expert)	
4	Dr. Karthikeyan. R	Member (Basic Scientist)	
5	Dr. Soumen Bera	Member (Basic Scientist)	
6	Dr. Khurshid Alam	Member (Basic Scientist)	
7	Mr. Muhammed Jamsheer T P	Member (Social Scientist)	
8	Dr. Dr. Hashim Niroze M	Member (Clinician)	
10	Dr. Shazia Jamal	Member (Basic Scientist)	
11	Dr. MD. Sahidul Islam	Member (Educated Person from the community)	
12	Dr. Neesar Ahmed	Member Secretary	

(Prof. Sarathchandra G)

Chairperson,

Institutional Ethics Committee (IEC)

B S Abdur Rahman University

Chennai-48.

Institutional Ethical Committee

Minutes of the Meeting

Venue: Life Sciences Conference Hall

Time: 3.30 P.M

Date: 19.09.2015

Members present:

Prof. Sarathchandra G- Chairman

Prof. S. Hemalatha- Co-Chairman

Dr. Khurshid Alam Khan- Member (Basic Scientist)

Dr. R. Karthikeyan- Member (Basic Scientist)

Dr. Soumen Bera- Member (Basic Scientist)

Dr. Shazia Jamal- Member (Basic Scientist)

Dr. Neesar Ahmed- Member Secretary

Prof. Sarathchandra G. chaired the meeting and discussed in detail about the role and the importance of Institutional Ethics Committee. He highlighted the basic and important requirements for the constitution of Institutional Ethics Committee. Following points were discussed during the meeting:

- Experiment involving human samples in any form should obtain the ethical clearance in a proper way.
- The proposal involved human subject need to be submitted to secretary IEC at least one month before the IEC meeting.
- Initial screening should be done at the department level before sending the proposal to chairman and other members. If it does not meet the standard, the proposal should be return backed.
- Preliminary screening is very important and the proposal need to be presented in the IEC meeting.

- Documentation is very important. Maintenance of log book is required, which is transparent with respect to duties and regulations.
- Unethical use of human samples is not allowed.
- If the proposal includes one or more participant institute, ethical clearance is required for the entire participating institute.
- If we are doing manipulations at molecular level for that biosafety clearance is required.
- It is advisable to obtain the ethics clearance and biosafety certificate before submitting the proposal to funding agency.
- SOP should be created which has the proper documentation of the things required, the applicability and there should be control of SOP. It should be rewritten and approved by concerned Dean or higher authorities and the chairman
- It should be clearly mentioned in SOP about the way of disposal, autoclave, biodegradable or non-biodegradable items each and everything should be maintained in SOP. Approval number should be obtained from the committee which should be maintained in the SOP.
- Guidelines of institutional ethical committee should be followed and proper document should be maintained for the volunteers.
- We should go through the guidelines for every human sample as mentioned by the ICMR guidelines. Proper rules and regulations should be prepared to make it documented and legal.
- circular should be sent before conducting the meeting and attendance sheet should be maintained for the members present in the meeting
- The presence of Clinician is very important in every meeting.
- Based on the proposal external expertises can be call in the IEC meeting.
- We have to make the clause of the meeting like if chairperson is not available who will be the next responsible person.
- Letter of committee should be given in letter pad which includes the list of members. Only chairman sign is required in the approval letter.
- Finally it was suggested to prepare the SOP, IEC letter head, Files for the documentation IEC.
- Next IEC meeting was decided to be scheduled on 29-09-15.

Member Secretary (IEC)

Chairman

IEC



No. BT/BS/17/589/2014-PID

Dated: 26.09.2014.

OFFICE MEMORANDUM

Subject: Nomination of DBT representative in the IBSC of **B.S. Abdur Rahman University (BSARU), Chennai.**

In accordance with the Notification of the Ministry of Environment and Forests vide Gazette Notification No. GSR 1037 (E) dated 05.12.1989, notified under the E.P. Act 1986, the Department of Biotechnology (DBT) had evolved the "Recombinant DNA Safety Guidelines" in January 1990 for achieving for personnel and environmental safety in the use of genetically manipulated organisms in research, manufacture and applications. The constitution of the Institutional Biosafety Committee (IBSC) is mandatory in R&D Centers at the institutions/ universities/ industries/ any other organization which intend to carry out or are engaged in research activities involving genetic manipulation of genetic materials, microorganisms, plants or animals.

2. In conformity with the above, institutions engaged in genetic engineering research have constituted their IBSCs and the department has nominated its representatives in all such committees. Accordingly, **Dr. V. Maroudam, Scientist, Translational Research Platform for Veterinary Biologicals (TRPVB), TNAUVAS, Madhavaram Milk Colony, Chennai- 600 051, TN** has been nominated to act as a DBT representative on the IBSC constituted at B.S. Abdur Rahman University, Seethakathi Estate, Vandalur, Chennai-600 048.

The complete composition of the IBSC is as under:

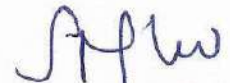
Chairman	: Dr. S. Hemalatha
DBT Nominee	: Dr. V. Maroudam, Scientist, TRPVB, TNAUVAS, Chennai
Member Secretary	: Dr. Karthikeyan Ramalingam
External Experts	: Dr. Madulika Dixit, Assistant Professor, Department of Biotechnology, IIT, Madras
Biosafety Officer	: Dr. (Mrs) A. Mohamed Umar Uthuman Begum, Medical Officer, BSARU, Chennai
Internal Experts	: Dr. Md Khurshid Alam Khan : Dr. Soumen Bera : Dr. Neesar Ahmed : Dr. Shazia Jamal

3. The DBT nominee serves as the link between the department and the respective IBSC. The nominee should ensure that:
- the committee has been constituted as per the norms of the guidelines,
 - the Recombinant DNA Safety Guidelines are strictly followed in the company,
 - the IBSC meets regularly (at least twice in a year) to review the ongoing activities and provide yearly reports to RCGM/ DBT in the prescribed *proforma*,
 - all the activities within the purview of the guidelines are in the knowledge of RCGM/DBT and to guide the IBSC on biosafety issues.

4. **He/she will work for 3 years on the respective committee. On the expiry of term of nominee, institution/ organizations are required to reconstitute its IBSC in prescribed *proforma*.**

-Contd.....

5. The DBT, on the expiry of the term of its nominee shall re-nominate or appoint a new nominee, and such nomination shall be communicated to the institutes/ organizations.
6. Any special invitee/s to IBSC should be communicated to RCGM/ or taken prior approval.
7. **The IBSC of the institution will meet at least twice in a year. The institutes having the IBSC are required to submit yearly report of progress (1st January to 31st December) within one month, following the expiry of the period of Progress Report to the DBT for enabling the proper monitoring and consolidation of this information by the RCGM and the Government.**
8. The university will meet the TA/DA & honorarium to the DBT nominee as per the GOI norms.
9. Please update the information at the website i.e. <http://dbtbiosafety.nic.in> and inform the same to this Department.



(S. R. Rao)
Advisor/Scientist-'G', DBT

To,

Dr. S. Hemalatha.
Professor & Dean,
Chairman-IBSC,
B.S. Abdur Rahman University,
Seethakathi Estate, Vandalur,
Chennai-600 048

Copy to:

1. Dr. V. Maroudam, Scientist, Translational Research Platform for Veterinary Biologicals (TRPVB), TNAUVAS, 2nd Floor, Central University Laboratory Building, Madhavaram Milk Colony, Chennai- 600 051, TN. (Kindly access website i.e. <http://dbtbiosafety.nic.in> for IBSC Guidelines & role of DBT nominee).
2. Dr. Karthikeyan Ramalingam, Associate Professor, Member Secretary-IBSC, B.S. Abdur Rahman University, Seethakathi Estate, Vandalur, Chennai-600 048.
3. Office Copy
4. Guard file



(S. R. Rao)
Advisor/Scientist-'G', DBT

Institutional Bio safety Committee

B.S.ABDUR RAHMAN UNIVERSITY

B.S.ABDUR RAHMAN INSTITUTE OF SCIENCE & TECHNOLOGY
(Estd. u/s 3 of the UGC Act, 1956)

A Muslim Minority Institution

(Formerly B.S.ABDUR RAHMAN CRESCENT ENGINEERING COLLEGE)

Accredited with A Grade by NAAC



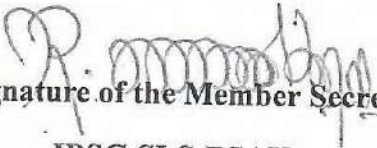
INSTITUTIONAL BIOSAFETY COMMITTEE


Certificate of approval or clearance

Reference No.: IBSC-SLS-BSAU_03/2015

Date: 15/04/2015

This is to certify that the project entitled "Synthesis of antimicrobial nanoemulsions for treatment of multi-drug resistant ESKAPE pathogens (Enterococcus faecium, Staphylococcus aureus, Klebsiella pneumoniae, Acinetobacter baumannii, Pseudomonas aeruginosa and Enterobacter species)" proposed by Dr. Karthikeyan Ramlingam for the approval/clearance from IBSC-SLS-BSAU has been approved by the committee in a meeting held on 15th April, 2015 for conducting experiments falling under category I as declared by the Principle Investigator.


Signature of the Member Secretary
IBSC-SLS-BSAU


Signature of the Chairman
IBSC-SLS-BSAU

Dr. S. HEMALATHA
Professor & Dean
School of Life Sciences
B.S. ABDUR RAHMAN UNIVERSITY
VANDALUR, CHENNAI - 600 048.



School of Life Sciences

Institutional Bio Safety Committee (IBSC)-School of Life Sciences, B. S. Abdur Rahman University

(Minutes of the Meeting held on 15th April, 2015)

The Second Meeting of Institutional Bio Safety Committee (IBSC), B. S. Abdur Rahman University was held in the Conference Room, 7th Floor, Life Sciences Building, on 15th April at 11.00 A.M, under the Chairmanship of Dr.S.Hemalatha, Dean School of Life Sciences, B. S. Abdur Rahman University.

The following members attended the meeting:

Dr.S. Hemalatha, Dean School of Life Sciences, B. S. Abdur Rahman University	Chairperson
Dr. Karthikeyan Ramalingam, Associate Professor, School of Life Sciences, B. S. Abdur Rahman University, Chennai.	Member Secretary
Dr. V. Maroudam, Scientist, TRPVB, TNAUVAS, Chennai	DBT Nominee
Dr. Madhulika Dixit, Associate Professor, Department of Biotechnology, IIT Madras	External Expert
Dr. (Mrs) A. Mohamed Umar Uthuman Begum, Medical Officer, B. S. Abdur Rahman University, Chennai.	Biosafety Officer
Dr. Md. Khurshid Alam Khan, Assistant Professor, School of Life Sciences, B. S. Abdur Rahman University, Chennai.	Internal Expert
Dr. Soumen Bera, Assistant Professor, School of Life Sciences, B. S. Abdur Rahman University, Chennai.	Internal Expert
Dr. Neesar Ahmed, Assistant Professor, School of Life Sciences, B. S. Abdur Rahman University, Chennai.	Internal Expert
Dr. Shazia Jamal, Assistant Professor, School of Life Sciences, B. S. Abdur Rahman University, Chennai.	Internal Expert

The Following were discussed:

1. Dr. S. Hemalatha, Chairperson of IBSC, School of Life Sciences, B. S. Abdur Rahman University, extended a warm welcome to the members and briefed about various research centers, projects, patents and the state of art research laboratories equipped with high end instruments, facilities and thrust areas of research.
2. Dr. Karthikeyan Ramalingam, Member Secretary, described the details of guidelines of IBSC.

3. Dr. V. Maroudam, DBT Nominee, briefed about the objectives, renewal procedures and activities of IBSC. She also focused on the roles and objectives of the members and emphasized the need for the proposal that needs (RCGM) approval to be submitted to IBSC. A timely submission of IBSC minutes needs to be forwarded to the RCGM. She also accentuated the IBSC/RCGM approval is required prior to Animal Ethical committee approval for projects that involve rDNA. She added that the proposals need to be prepared in a broad perspective with details in Annexure while submitting for IBSC approval.
4. Dr. Madhulika Dixit, external member discussed on bio-wastes/containment disposal plan that she projected in the previous IBSC meeting (3rd December, 2014).
5. Totally 17 projects has been discussed and list of proposal discussed in the meeting are as follows:

S. No.	PI name	Project tile	Remarks	Recommendation
1.	Dr. S. Hemalatha	Role of Plant Programmed Cell Death and Autophagy in Pathogenicity Mechanism	The external member and DBT nominee have advised to dispose the fungi after treating with sodium hypochlorite and autoclaving	Needs IBSC approval
2.	Dr. S. Hemalatha	Molecular study on pathogenic microbes and development of antimicrobial compound	Dr. V. Maroudam, suggested clinical samples should be disposed after autoclaving and incineration	Needs IBSC approval
3.	Dr. Karthikeyan Ramalingam	Synthesis of antimicrobial nanoemulsions for treatment of multi-drug resistant ESKAPE pathogens	Apart from regular method (autoclaving and ethanol usage), Dr. Madhulika and Dr. Maroudam	Needs IBSC approval (Dr. V. Maroudam, suggested to combine these two projects as one application.)
4.	Dr. Karthikeyan Ramalingam	Antimicrobial Efficacy and Mechanisms of Herbal Extract Fractions (Traditional Herbal Tooth Powder Formula) on Biofilm Forming Cariogenic Microorganisms	suggested to treat the biological waste with bleach before the disposal. If hospital microbes involved she suggested to dispose after the incineration	
5.	Dr. Karthikeyan Ramalingam	Antimicrobial Efficacy and Mechanisms of Herbal Extract Fractions (Traditional Herbal Tooth Powder Formula) on	Cariogenic organisms are opportunistic pathogen, so this	Needs IBSC approval

		Biofilm Forming Cariogenic Microorganisms	proposal needs IBSC approval.	
6.	Dr. Soumen Bera	Mitochondrial STAT3 as a novel Anticancer and Antidiabetic target for Resveratrol	It has been suggested by the committee to attach the full sequence of STAT3 gene with application	Needs IBSC approval
7.	Dr. Md Khurshid Alam Khan	Identifying the molecular basis of Peroxidase activity of Peroxiredoxin 6 - An approach for designing Antioxidant Peptides and Inhibitors	It has been suggested by the members to attach the amino acid sequence of the gene	Needs IBSC approval
8.	Dr. S. Hemalatha	Synthesis of nanoparticle from endophytic fungi and its role in anticancer activity.	The project numbers 8-14 are neither going to utilize recombinant DNA nor pathogens	No need of IBSC approval
9.	Dr. S. Hemalatha	Efficacy of bio actives of endophytic fungi associated with rhizome of medicinal plants		
10.	Dr. S. Hemalatha	Bio energy from plants		
11.	Dr. S. Hemalatha	Molecular and alternative approaches to control diabetes		
12.	Dr. S. Hemalatha	Screening the antioxidant, anti inflammatory, anti cancer and immune modulatory effects of marine algae in colon cancer		
13.	Dr. S. Hemalatha	Mitochondria mediated cancers		
14.	Dr. S. Hemalatha	Analysis of venom variation among big four Indian snakes: genomic and proteomic approaches. Identification of mechanism of intoxication and protection by Indian botanicals		
15.	Dr. Soumen Bera	antioxidant gene polymorphisms and ros signaling in cancer risk		No need of IBSC approval
16.	Dr. Soumen Bera	GPx1 gene polymorphisms and mitochondrial ROS signaling in cancer risk		

17.	Dr. Neesar Ahmed	Immunosuppressive Cells within Inflammatory Tumor Microenvironment	No IBSC concerns	No need of IBSC approval
18.	Dr. Shazia Jamal	To study the Effect of Diclofenac and Osmolytes on Protein Stability in Renal Dysfunction	No IBSC concerns	No need of IBSC approval

6. Dr.Soumen Bera, Dr.Shazia Jamal, Dr. Khurshid Alam Khan, Dr.Neesar Ahmed actively participated in the discussion of all the projects.
7. Dr. (Mrs) A. Mohamed Umar Uthuman Begum, Biosafety officer reviewed submitted proposals and gave a general idea on her role and responsibilities with those proposals.
8. The committee decided to convene the next IBSC meeting after three months.
9. The meeting was adjourned with the vote of thanks by Dr.Karthikeyan Ramalingam, Member Secretary.

Internal Experts:

1. Dr. Md. Khurshid Alam Khan *Khurshid*
2. Dr.Soumen Bera *Soumen*
3. Dr.Neesar Ahmed *Neesar*
4. Dr.Shazia Jamal *Jamal*

External Expert:

1. Dr. Madhulika Dixit, *Madhulika*

R. Karthikeyan Ramalingam
Dr.Karthikeyan Ramalingam
Member Secretary

V. Maroudam
Dr. V. Maroudam
DBT Nominee

S.H.
Dr. S. Hemalatha
Chairperson, IBSC

DEAN
SCHOOL OF LIFE SCIENCES
B.S. ABDUR RAHMAN UNIVERSITY
VANDALUR, CHENNAI - 600 048




INSTITUTIONAL BIOSAFETY COMMITTEE

Certificate of approval or clearance


Reference No.: IBSC-SLS-BSAU_05/2015

Date: 15/04/2015

This is to certify that the project entitled “**Mitochondrial STAT3 as a novel Anticancer and Antidiabetic target for Resveratrol**” proposed by **Dr. Soumen Bera** for the approval/clearance from IBSC-SLS-BSAU has been approved by the committee in a meeting held on **15th April, 2015** for conducting experiments falling under **category I** as declared by the Principle Investigator.


Signature of the Member Secretary

IBSC-SLS-BSAU


Signature of the Chairman

IBSC-SLS-BSAU

Dr. S. HEMALATHA
Professor & Dean
; School of Life Sciences
B.S. ABDUR RAHMAN UNIVERSITY
VANDALUR, CHENNAI - 600 048.



LR.NO.49:REG-BSAU:2015

DATE: 16.09.2015

I am pleased to constitute an "Institutional Ethics Committee (IEC)" with the following members. They will be responsible for any ethical issues of human beings in the University. I request your cooperation and support for effective functioning of the Committee.

- | | |
|--------------------------------------|---|
| 1. Prof. Sarath Chandra | - Chairman |
| 2. Prof. S. Hemalatha | - Co-Chairman |
| 3. Alhaj. V.N.A. Jalal | - Member (Legal Expert) |
| 4. Dr. R. Karthikeyan | - Member (Basic Scientist) |
| 5. Dr. Soumen Bera | - Member (Basic Scientist) |
| 6. Dr. Khurshid Alam | - Member (Basic Scientist) |
| 7. Dr. MD Mainuddin | - Member (Basic Scientist) |
| 8. Dr. A. Mohamed Umar Uthuman Begum | - Member (Clinician) |
| 9. Dr. Shazia Jamal | - Member (Basic Scientist) |
| 10. Mr. MD. Sahidul Islam | - Member (Educated Person from the Community) |
| 11. Dr. Neesar Ahmed | - Member Secretary |

The main functions of the Committee are:

1. Research relating activities involving Human subject.
2. Thorough assessment of the projects.
3. Research projects and teaching of UG, PG and PhD students in the Institute
4. Better research environment at B.S. Abdur Rahman University.


REGISTRAR
16/9

To

The Members of the Committee


19/9/15



B.S. Abdur Rahman

Crescent

Institute of Science & Technology

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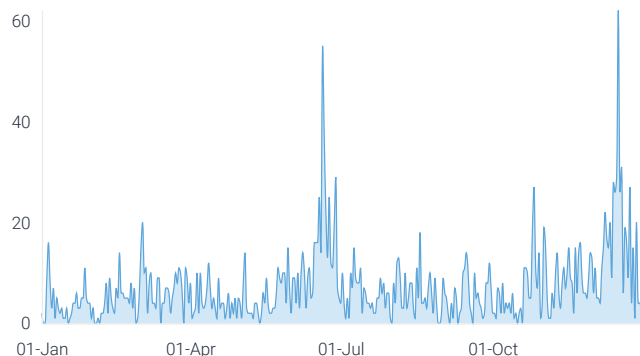
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Submissions over time



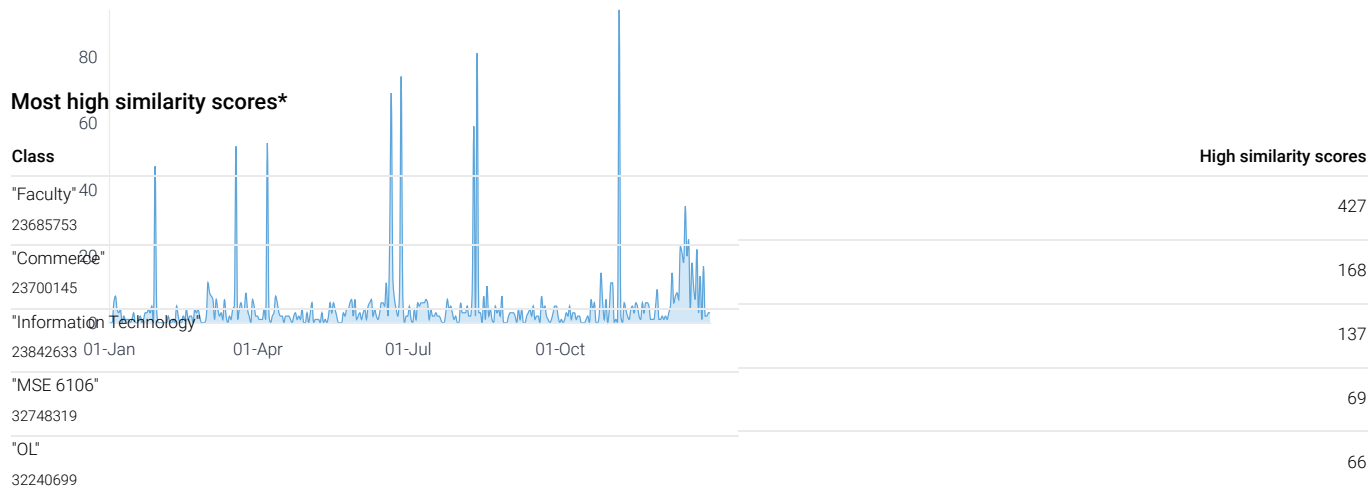
Classes with the most submissions

Class	Submissions
"Information Technology" 23842633	286
"Faculty" 23685753	127
"Project2021" 29517076	125
"OL" 32240699	98
"Microbiology_Karthi " 28780925	97

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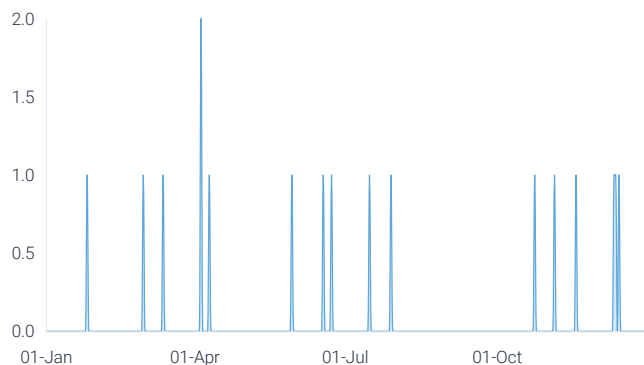
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High similarity scores*



*This count reflects all activities that trigger report generation.

Submissions with feedback



Classes with the most feedback

Class	Submissions with Feedback
"Research-1" 32097050	5
"Research" 28060648	3
"Khan" 16829333	2
"Research Papers" 23774799	2
"Others" 25273141	2

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Constitution of DAIP & IAIP



ANNEXURE – I

Constitution of Department Academic Integrity Panel (DAIP)

Department	Chairman	Member 1	Member 2
Mechanical Engineering	Dr. S. Rasool Mohideen Prof. & Dean / SMS	Dr. S. Kaja Mohideen Senior Professor & Dean(SECS)	Dr. G. Kannan Associate Professor/ ECE
Polymer Engineering	Dr. S.S.M. Abdul Majeed Professor & Director(Admissions)	Dr. M. Basheer Ahamed Professor & Head / Physics	Dr. G. Kannan Associate Professor/ ECE
Aerospace Engineering	Dr. Ashoke Ghosh Professor & Head / Aerospace	Dr. I.B. Shameem Banu Professor / Physics	Dr. C. D. Nanda Kumar Assistant Professor (Sel. Gr.) / Maths & AS
Automobile Engineering	Dr. S. Rasool Mohideen Prof. & Dean / SMS	Dr. M. Mohammed Ismail Professor / ECE & Dy. Dean (AA)	Dr. C. D. Nanda Kumar Assistant Professor (Sel. Gr.) / Maths & AS
Civil Engineering	Dr. Vasanthi Padmanabhan Prof. & Dean, School of Infrastructure	Dr. S. Rasool Mohideen Prof. & Dean / SMS	Dr. M. A. Sai Balaji Associate Professor/ Mech
Electrical & Electronics Engineering	Dr Y. Mohamed Shuaib Associate Professor & Head / EEE	Dr. P. N. Kadiresh Professor / Aerospace	Dr. G.V. Vijayaraghavan Associate Professor / Physics
Electronics & Communication Engineering	Dr. C. Tharini Professor & Head / ECE	Dr. S. Hemalatha Professor & Dean / SLS	Dr. G.V. Vijayaraghavan Associate Professor/ Physics
Electronics & Instrumentation Engineering	Dr. P.K. Jawahar Professor & Head / EIE	Dr. P. Sheik Abdul Khader Sr. Professor / CA & Director(Data Centre)	Dr. G.V. Vijayaraghavan Associate Professor/ Physics
Computer Science & Engineering	Dr. M. Sandhya Professor & Head / CSE	Dr. P. N. Kadiresh Professor / Aerospace	Dr. Khurshid Alam Khan Assistant Professor (Sr. Gr.) /SLS & Dy. Dean (R)
Information	Dr. Kabeer. M	Dr. Vasanthi Padmanabhan	Dr. G. Kannan

Handwritten signature and date: 26.11.18

Technology	Associate Professor & Head / IT	Prof. & Dean, School of Infrastructure	Associate Professor/ ECE
Computer Applications	Dr. A. Jaya Professor & Head / CA Dean-in-charge, SCIMS	Dr. M. S. Haji Sheik Mohamed Professor / Civil & Dean (AA)	Dr. Khurshid Alam Khan Assistant Professor (Sr. Gr.) /SLS & Dy. Dean (R)
Mathematics and Actuarial Science	Dr. S. Rajasekaran Professor & Head / Maths & AS	Dr. M. Mohammed Ismail Professor / ECE & Dy. Dean (AA)	Dr. M. A. Sai Balaji Associate Professor/Mech
Management Studies	Dr. M. Shanmugam Professor & Head / Mgt. Studies	Dr. C. Tharini Professor & Head / ECE	Dr. Khurshid Alam Khan Assistant Professor (Sr. Gr.) /SLS & Dy. Dean (R)
Commerce	Dr. Ayub Khan Dawood Professor and Dean/SSSH	Dr. Revathi Viswanathan Professor and Head / English	Dr. C. D. Nanda Kumar Assistant Professor (Sel. Gr.) / Maths & AS
Physics	Dr. M. Basheer Ahamed Professor & Head / Physics	Dr. P.K. Jawahar Professor & Head / EIE	Dr. G. Kannan Associate Professor / ECE
Chemistry	Dr. S. Kutti Rani Professor & Dean(SPCS)	Dr. S. Rasool Mohideen Prof. & Dean / SMS	Dr. M. A. Sai Balaji Associate Professor/ Mech
Life Sciences	Dr. S. Hemalatha Prof. & Dean / SLS	Dr. S. Kaja Mohideen Senior Professor & Dean(SECS)	Dr. M. A. Sai Balaji Associate Professor/ Mech
Pharmacy	Dr. M. Vijaya Vara Prasad Prof. & Dean / CSOP	Dr. S. Hemalatha Prof. & Dean / SLS	Dr. L. Shakkeera Assistant Professor (Sel. Gr.) / IT


26.11.18
Registrar

IAIP
130
AP

Dr. A. Azad

REGISTRAR



B.S. Abdur Rahman
Crescent
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ACCREDITED WITH 'A' GRADE BY NAAC

NOMINATION AS A MEMBER OF THE INSTITUTIONAL ACADEMIC INTERGRITY PANEL

9th Nov 2018

To

Dr. P. Hariharan
Professor
Department of Manufacturing Engineering
Dean (Student Affairs)
Anna University, Chennai- 600025.

Sub: Nomination of IAIP member - Reg.

Ref: https://www.ugc.ac.in/pdfnews/7771545_academic-integrity-Regulation 2018.pdf

Dear Sir,

B.S. Abdur Rahman Crescent Institute of Science & Technology has born out of Crescent Engineering College, after 25 years of providing quality higher education in Engineering and Technology.

Our Institute is committed to add value by way of Quality Teaching, Innovative Research and an appropriate application of knowledge through Extension, Outreach and Consultancy. By this approach, B.S. Abdur Rahman Crescent Institute of Science & Technology simultaneously strives to be one of the leading Institutes to achieve higher levels of scholarship in the discovery and transmission of knowledge and understanding.

Crescent is accredited with 'A' grade by NAAC on the first cycle of accreditation and all the programmes offered are accredited by NBA. Institute has been participating Indian ranking like NIRF and QS. Institution is conferred 4 star rating in QS now.

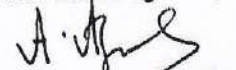
According to UGC regulations 2018, every Higher Educational Institution should have an Institutional Academic Integrity Panel (IAIP) with one external expert, to monitor the quality of journal publications.

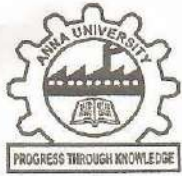
Hence, considering your knowledge and expertise, I am pleased to nominate you as a member of the Institutional Academic Integrity Panel of B.S. Abdur Rahman Crescent Institute of Science & Technology.

I look forward to your guidance and support for the development of quality research activities of our Institute so as to achieve our goal of making B.S. Abdur Rahman Crescent Institute of Science & Technology as one of the world class Universities in the country.

Looking forward to get your formal acceptance.

With kind regards,


(A. Azad)



ANNA UNIVERSITY
COLLEGE OF ENGINEERING GUINDY
CHENNAI - 600 025, INDIA

Dr. P.HARIHARAN
Professor
and
Director (Student Affairs)

Department of Manufacturing Engineering (DoME)

15th November 2018

26.11.18

To
The Registrar
Crescent Institute of Science & Technology
Seethakathi Estate, GST Road
Vandalur, Chennai -600048

Dear Sir,

Sub: Acceptance of Nomination of IAIP member - Reg.

Ref : https://www.ugc.ac.in/pdfnews/7771545_academic-integrity-Regulation 2018.pdf

With reference to the above, I am glad and pleased to accept my nomination as a member of the Institutional Academic Integrity Panel of B.S. Abdur Rahman Crescent Institute of Science & Technology and to support for the development of quality research activities of your Institute.

Thanking you

Yours faithfully

P.H.
15/11/18
(P.HARIHARAN)

File
Dr.
26.11.18

GEDY115	RESEARCH AND PUBLICATION ETHICS	L	T	P	C
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OBJECTIVES:

- To understand the philosophy of science and ethics, research integrity and publication ethics. To identify research misconduct and predatory publications.
- To understand indexing and citation databases, open access publications, research metrics (citations, h-index, impact Factor, etc.).
- To understand the usage of plagiarism tools.

MODULE I PHILOSOPHY AND ETHICS 4

Introduction to philosophy – definition - nature and scope – concept - branches – Ethics definition – moral philosophy – nature of moral judgements and reactions.

MODULE II SCIENTIFIC CONDUCT 4

Ethics with respect to science and research – Intellectual honest and research integrity – Scientific misconducts – falsification, fabrication, and plagiarism – Redundant publications – duplicate and overlapping publications, salami slicing – Selective reporting and misrepresentation of data.

MODULE III PUBLICATION ETHICS 7

Publication ethics: definition, introduction and importance – Best practices/standards setting initiatives and guidelines: COPE, WAME, etc. – Conflicts of interest – Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types – Violation of publication ethics, authorship and contributor ship – Identification of publication misconduct, complaints and appeals – Predatory publishers and journals.

PRACTICALS

OPEN ACCESS PUBLISHING

4

Open access publications and initiatives – SHERPA/RoMEO online resource to check publisher copyright and self-archiving policies – Software tool to identify predatory publications developed by SPPU – Journal finder/ journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.

PUBLICATION MISCONDUCT

4

Group Discussions – Subject specific ethical issues, FFP, authorship – Conflicts of interest – Complaints and appeals: examples and fraud from India and abroad – Software tools Use of plagiarism software – Turnitin, Urkund – other open source software tools.

DATABASES AND RESEARCH METRICS

7

Databases – Indexing Databases – Citation Databases – Web of Science Databases Scopus, etc.

Research Metrics – Impact Factor of journal as per journal citation report, SNIP, SJR, IPP, Cite Score –

Metrics: h-index, g index, i10 index, altmetrics

L – 15 ; P – 15 ; TOTAL HOURS –30

REFERENCES:

1. Bird, A. (2006). *Philosophy of Science*. Routledge.
2. Macintyre, Alasdair (1967) *A Short History of Ethics*. London.
3. P. Chaddah, (2018) *Ethics in Competitive Research: Do not get scooped; do not get plagiarized*, ISBN:978- 9387480865
4. National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). *On Being*
5. *a Scientist: A Guide to Responsible Conduct in Research: Third Edition*. National Academies Press. Resnik, D. B. (2011). What is ethics in research & why is it important. *National Institute of Environmental Health Sciences*,1-10. Retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>

6. Beall, J. (2012). Predatory publishers are corrupting open access. *Nature*, 489(7415), 179-179. <https://doi.org/10.1038/489179a>
7. Indian National Science Academy (INSA), *Ethics in Science Education, Research and Governance*(2019), ISBN:978-81-939482- 1-7. http://www.insaindia.res.in/pdf/Ethics_Book.pdf

OUTCOMES:

By the end of the course, the students will be able to

- Describe and apply theories and methods in ethics and research ethics
- Understand the overview of important issues in research ethics, like responsibility for research, ethical vetting, and scientific misconduct.
- Present arguments and results of ethical inquiries.



B.S. Abdur Rahman

Crescent

Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956
GST Road, Vandalur, Chennai 600 048

Sample Doctoral Committee meeting minutes

OFFICE OF DEAN (ACADEMIC RESEARCH)



DATE: 12.10.2021

**Minutes of the First Doctoral Committee Meeting for
Ms. S. Sharmeen Mehak, Research Scholar, (RRN: 210933701001)**

The first Doctoral Committee meeting for the Research Scholar, **Ms. S. Sharmeen Mehak**, (RRN: 210933701001) was conducted on **12.10.2021** at 11:30 AM through online mode (Google Meet Application).

The following Doctoral Committee members attended the meeting:

1. Dr. H. Moideen Batcha - **Supervisor & Convener**
Assistant Professor
Department of Management Studies
B.S. Abdur Rahman Crescent Institute of Science & Technology.
Phone: +91 9952620786
E-mail: moideenali@crecident.education
2. Dr. A. K. Sheik Manzoor - **Member (External)**
Associate professor
Department of Management Studies
Anna University, Guindy, Chennai, Tamil Nadu 600025
Phone: +91 9884714272
E-mail: sheikmanzoor@annauniv.edu
3. Dr. Abuzar Nomani - **Member (Internal)**
Assistant professor/ Commerce
Phone: +917417006481
E-mail: abuzarnomani@crecident.education
B.S. Abdur Rahman Crescent Institute of Science & Technology.
4. Dr. M. Shanmugam - **Member (Ex-Officio)**
HOD / Management Studies
E-mail: hodms@crecident.education
Phone: +91-44-22759211
B.S. Abdur Rahman Crescent Institute of Science & Technology.

The Research Scholar, Ms. S. Sharmeen Mehak, briefly presented the proposed research and her academic background to the Doctoral Committee. The Committee reviewed the background knowledge of the Research Scholar in the proposed area of research.

The tentative topic is:

A STUDY ON IMPACT OF INFLUENCING FACTORS ON EMPLOYEE AGILITY WITH RESPECT TO LEATHER PRODUCTS MANUFACTURING INDUSTRIES OF SOUTH INDIA.

As per the Ph.D. Regulations of the B.S. Abdur Rahman Institute of Science & Technology , the Scholar needs to pursue PG Level Courses and a minimum of 10 credits need to be earned, including a course on Research Methodology. The other courses shall be relevant to the area of Research and advanced level courses preparing the students for Ph.D. Degree.

The members of the Doctoral Committee after detailed discussion recommended the following courses, whose minimum credits would be 10 in number and of PG level, towards the course requirements for the Ph.D. Degree.

max - 16 credits

Sl. No.	Name of the Course	Course Code	No. of Credits
1	Research Methodology for Management	GEDY 128	4
2	Talent Acquisition And Retention	MSDY 038	4
3	Research & Publications Ethics	GEDY 115	2
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Signature of the Member (External)

[Handwritten Signature]
12/10/21

Signature of the Member (Internal)

Signature of the Joint Supervisor
(If applicable)

[Handwritten Signature]
12/10/21

Signature of the Supervisor

[Handwritten Signature]
12/10/2021

Signature of the Ex-Officio



**REPORT OF THE DOCTORAL COMMITTEE ON COMPLETION OF COMPREHENSION
EXAMINATION**

Name of the Research Scholar : Arunika Krishnan
RRN : 191153101001
Department : School of Life Sciences
Date of Registration : 02-01-2019
FT / PT : FT
Date of Comprehension (Written) Examination : 21-12-2020
Date & Time of Comprehension (Oral) Examination : 06-12-2021, 10.30am
Venue of Comprehension (Oral) Examination : Online mode (meet.google.com/hyh-rxpj-iqc)

The following members of the Doctoral Committee were present

1. DR. UMA DEVI K. R (External Expert Member)
2. DR. M. ASHA JHONSI (Internal Expert Member)
3. DR. S. HEMALATHA (Ex-officio Member)
4. DR. MD. KHURSHID ALAM KHAN (Supervisor & Convener)

Ms. Arunika Krishnan has successfully completed the course works, recommended by the Doctoral Committee. She has obtained the following grades in the course works.

Course Code	Course Title	Credits	Core Course / Elective / Special Elective	Grade / * Marks
GEC 6202	RESEARCH METHODOLOGY	4	Core course	C/7
LTB 6201	GENOMICS AND PROTEOMICS	4	Elective	B/8
LSC 6202	BIOINFORMATICS	4	Elective	B/8
CGPA				7.6
Comprehensive (Written & Oral) Examination				Pass

* The Photocopy of the Mark Sheet needs to be enclosed

The committee examined the scholar Ms. Arunika Krishnan orally and her performance in the written Comprehension Examination, as well as the grades secured by the scholar, in the courses prescribed by the Doctoral Committee.

Based on the research scholar's presentation, the observations made by the Committee are summarized, as under:

Sl.No.	Criterion	Observations in detail
1	Background knowledge to pursue research (through course works)	Tuberculosis is one of the leading causes of death worldwide. The etiological agent responsible is <i>Mycobacterium tuberculosis</i> . India leads the count of high TB burden countries, with 2,640,000 TB infections annually . In silico approaches will reveal the mutations responsible for resistance and its effect on the respective protein targets. Accordingly, the following subjects were prescribed Research Methodology, Bioinformatics, Genomics and Proteomics.
2	Research gap (To be mentioned)	Mutations in the genome of <i>Mycobacterium tuberculosis</i> (MTB) is responsible for drug resistance. Analysis of these mutations provide valuable information to decipher disease complexity. This project focusses on understanding the mechanism of resistance to Ethambutol (EMB)- a first line drug, along with the role of other metabolic pathways in drug resistance. Ethambutol resistance occurs in stepwise fashion and could other genes. Through this project the following questions will be answered, <ol style="list-style-type: none"> 1. What are the proteins other than embCAB involved in EMB resistance? How mutations in embCAB affect the protein stability? 2. What is the pattern of occurrence the different mutations when MTB is sampled based on their Minimum Inhibitory concentration (MIC)? 3. What are the other lead molecules that can target embCAB and form stable complexes?

3	Title / topic for research work (identified)	<p>The Doctoral committee members recommended a change of topic from</p> <p>Genomic Analysis and <i>In silico</i> characterization of <i>Mycobacterium tuberculosis</i> Indian Lineages for Novel Therapeutics</p> <p>To</p> <p>Genomic Analysis and <i>In silico</i> characterization of <i>Mycobacterium tuberculosis</i> Lineages for Novel Therapeutics</p>
4	Research objective (to be specified)	<ol style="list-style-type: none"> 1. In silico characterization of protein stability upon mutation. 2. Finding lead molecules and natural compounds for novel therapeutics. 3. Variant calling of Whole Genome sequences to find out mutations involved in drug resistance and other metabolic pathways. 4. To develop a mutational catalogue that contains Single nucleotide polymorphism (SNP) involved in drug resistance.
5	Research Methodology (proposed)	<ol style="list-style-type: none"> 1. To understand the impact of mutations on embCAB, modeler tool will be used. Stability changes to the protein will be assessed using web-based software such as mCSM, SDM, Dynamut. 2. Protein-Protein interaction network analysis will be performed to find out the proteins interacting with embCAB and their possible role in drug resistance mechanism. 3. Lead molecules and natural compounds will be curated from PubChem and Zinc database. Molecular docking will reveal the binding energy. The lead molecules will be filtered based on their binding energy. Molecular dynamic simulation will be used to find out the stability of Protein-ligand complex. 4. Variant calling will be performed to identify mutations in the MTB genome available in public repositories. Mutational database will be developed for the same.

6	Possible outcome of the research work (in bullet points)	<p>1. A better knowledge of the impact of mutations and their involvement in ethambutol resistance can be gained from the above studies.</p> <p>2. Lineage specific search for SNP's through variant calling will reveal the presence of lineage specific mutations.</p> <p>3. The methodology will aid in the discovery of Lead compounds that are more active than ethambutol.</p>
7	Others	-

Hence, the Committee recommends the confirmation of Provisional Registration of the scholar and she may be permitted to proceed with her research work.

Khurshid Alam Khan
7/12/21

Supervisor

DR. MD. KHURSHID ALAM KHAN

M. Asha Jhonsi
7/12/21

Internal Expert

DR. M. ASHA JHONSI

S.H. Hemalatha
10/12/21

Dean of the Candidate

DR. S. HEMALATHA
DEAN

School of Life Sciences
B.S. Abdur Rahman

Crescent
Institute of Science & Technology
Mandalur, Chennai-600 048.

K.R. Uma Devi
7/12/21

External Expert

DR. UMA DEVI . K. R.



MINUTES OF THE DOCTORAL COMMITTEE MEETING FOR EXTENSION OF MAXIMUM DURATION

Name of the Research Scholar : B.Sivashanmugavalli
RRN : 140843104011
Programme : Ph.D.
Department : Electronics and Communication Engineering
Date of Registration : January 2014
FT / PT : PART TIME
Date of Confirmation of Provisional Registration : 25.02.19

The Doctoral Committee meeting was held on 18-12-2020 (Friday) at 10.30am through Gmeet link, "meet.google.com/vqu-famv-qwm". The following members of the Doctoral Committee were present.

1. **Dr. K. Malathy** -Member
Professor ,
Department of Electronics Engineering,
College of Engineering Anna University
Guindy, Chennai -600025
2. **Dr. P.K. Jawahar** -Member
Professor & Head,
Department of EIE
B.S. A Crescent Institute of science and Technology.
3. **Dr. B.Vijayalakshmi,** - Supervisor & Convener
Professor,
Department of Electronics and Communication Engineering,
B.S. A Crescent Institute of science and Technology.
4. **Dr. C. Tharini** -Member (Ex-Officio)
Professor & Head
ECE Department,
B.S. Abdur Rahman Crescent Institute of Science & Technology.

The Committee reviewed the work carried out up to till date of the research scholar Ms.B.Sivashanmugavalli (RRN: 1408431040011), and was satisfied with the performance of the scholar. She has published her research work in a Scopus indexed journal (One journal publication). To fulfill the objective of this specific research, still more experimentation to be performed is needs

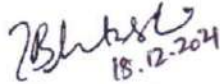
extended study period. Hence, the Committee recommends that the scholar may be sanctioned with the extension of research period up to 30.06.2021 to complete the research work.


18/12/2021

(Dr. K. Malathy)
Member


18/12/21

(Dr. P.K. Jawahar)
Member


18.12.2021

(Dr. B. Vijayalakshmi)
Supervisor & Convener
Professor & Head/ ECE


18/12/2020

Signature of the Ex-Officio
(Name and designation with seal)

PROFESSOR & HEAD
Department of Electronics & Communication Engg.
B.S. Akbar Rahman
Crescent
Institute of Science & Technology
Madurai, PIN-625 022

To

Dean (Academic Research), B.S.A Crescent Institute of Science and Technology



OFFICE OF DEAN (Research)

(Empowering CRESCENT through Exemplary Research)

Date: 16.04.2021

Minutes of the meeting of the Doctoral Committee for Synopsis submission

The Meeting of the Doctoral Committee for submission of Synopsis for the Research Scholar, Ms. Rupel Nargunam (RRN: 170893707001) was conducted on 16.04.2021 at 2.30 PM in Google Meet.

The following Doctoral Committee members attended the meeting:

1. **Dr. N. Anuradha** - **Supervisor & Convener**
Associate Professor, Department of Management Studies,
B.S. Abdur Rahman Crescent Institute of Science & Technology.
2. **Dr. M. Thenmozhi** - **Member (External)**
Professor, Department of Management Studies
IIT Madras,
Chennai.
3. **Dr. Latha Tamilselvan** - **Member (Internal)**
Professor, Department of Information Technology,
B.S. Abdur Rahman Crescent Institute of Science & Technology.
4. **Dr. S.Rajasekaran** - **Member (Ex-Officio)**
Professor, Department of Mathematics and Actuarial Science,
B.S. Abdur Rahman Crescent Institute of Science & Technology.

The Research Scholar, Ms. Rupel Nargunam, (RRN: 170893707001) presented the entire work carried out to the Doctoral Committee. The Committee reviewed the research work done by the Research Scholar in the area of "Actuarial Science", in terms of Technical aspects of the research work, Quantum of work required to earn a degree, Quality aspects of the research work, Publications in refereed journal indexed by Scopus / WOS and other criteria.

The members of the Doctoral Committee after detailed discussion recommended the submission of synopsis and the Ph.D. Thesis subsequently.



Signature of the Member (External)

Dr. M. Thenmozhi



Signature of the Member (Internal)

Dr. Latha Tamilselvan



Signature of the Supervisor

Dr. N. Anuradha



Signature of the Ex-Officio

Dr. S. Rajasekaran, Professor.

PROFESSOR & HEAD
Department of Mathematics & Actuarial Sciences
B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Vandalur, Chennai-600 048.



Date: 22/12/2021

Minutes of the meeting of the Doctoral Committee for submission of Oral examination board for Mr. Nazir Ahmad Teli, Research Scholar, (RRN: 170903701002)

The meeting of the doctoral committee for suggesting the panel members for the Oral examination for the Research Scholar, **Mr. Nazir Ahmad Teli**, Research Scholar, **(RRN: 170903701002)** was conducted through online mode on 22/12/2021 at 11:00am .

Google meet Link:<https://meet.google.com/ztb-fnad-zrt>

The following Doctoral Committee members attended the meeting:

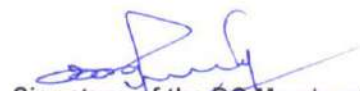
1. **Dr.S.BegamElavarasi** (External ExpertMember)
Assistant Professor
Department of Physics
Anna University, Chennai – 600 025
2. **Dr. V.Muralidharan** (Internal ExpertMember)
AssociateProfessor
School of Mechanical Sciences
B.S.A. Crescent Institute of Science & Technology
Chennai – 600 048
3. **Dr. M.BasheerAhamed** (Ex-officioMember)
Professor & Head
Department of Physics
B.S.A. Crescent Institute of Science & Technology
Chennai – 600 048
4. **Dr. M.Md.SheikSirajuddeen** (Supervisor & Convener)
Asst.Professor(sl.gr.)
Department of Physics
B.S.A. Crescent Institute of Science & Technology
Chennai – 600 048

The comments of both the thesis reviewers, Foreign and Indian, for Mr. Nazir Ahmad Teliwhose thesis entitled "FIRST PRINCIPLES STUDY OF ELECTRONIC AND MAGNETIC PROEPRITIES OF ALKALINE EARTH OXIDES" was presented to the Doctoral Committee. The members of the doctoral committee recommended the constitution of panel members (Enclosed separately) for conducting the oralexamination for the Scholar. _____



Signature of the Supervisor
(Name with Seal)

Dr. M.Md.SheikSirajuddeen
Asst. Professor (Sel. Gr.) Physics/BSACIST
Department of Physics
B.S. Abdur Rahman Crescent
Institute of Science and Technology
Vandalur, Chennai - 600 048.



Signature of the DC Member (Internal)
(Name with Seal)

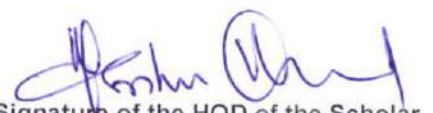
Dr. V.Muralidharan
Associate Professor /
SMS/ BSACIST
Department of Physics
B.S. Abdur Rahman Crescent
Institute of Science and Technology
Vandalur, Chennai - 600 048.

Mechanical Engg.



Signature of the DC Member (External)
(Name with Seal)

Dr. S.BegamElavarasi
Asst. Professor /
Physics Anna
University, Chennai



Signature of the HOD of the Scholar
(Name with Seal)

Dr. M. BasheerAhamed
Professor & Head / Physics
BSACIST
Department of Physics
B.S. Abdur Rahman Crescent
Institute of Science and Technology
Vandalur, Chennai - 600 048.